PHASE II ENVIRONMENTAL SITE ASSESSMENT

FUTURE PORT FIELD SUPPORT SERVICES COMPLEX
2225 & 2277 SEVENTH STREET
PORT OF OAKLAND

OAKLAND, CALIFORNIA

VOLUME I

IRIS ENVIRONMENTAL

June 2002

PORT OF OAKLAND

June 11, 2002

Barney Chan
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Re: **Phase II Environmental Site Assessment - Future Port Field Support Services Complex - 2225 & 2277 Seventh Street, Port of Oakland, Oakland, California**

Dear Mr. Chan,

Please find enclosed the subject Port of Oakland (Port) Phase II Environmental Site Assessment - Future Port Field Support Services Complex report for 2225 and 2277 Seventh Street in Oakland, California. This report is being submitted in accordance with Alameda County Health Care Services Agency (County) requirements, as discussed during our conference call on June 4, 2002. The Phase II report was also prepared in accordance with the approved work plan submitted to the County on March 7, 2002.

The purpose of this Phase II investigation was to conduct a predevelopment, planning scale assessment of the subject property based on known or suspected past uses. The investigation was intended to support design of the Future Facilities Support Services Complex (FFSSC) by collecting the necessary soil, groundwater, and soil gas chemical data to support a human health risk assessment adequate to meet Regional Water Quality Control Board (RWQCB) criteria. The joint venture of Iris Environmental and Cambria Environmental was retained by the Port to perform this investigation.

After you review the report, we would be pleased to discuss the next steps in the redevelopment process, including preparation and submittal of the human health risk assessment to the County prior to redevelopment. If you have any questions, please contact me at (510) 627-1134.

Sincerely,

Jeffrey L. Rubin, CPSS, REA
Associate Port Environmental Scientist
Environmental Health and Safety Compliance

Enclosure: noted

Cc (w encl.): Mikhail Korsunsky, Port Engineering Dept.
Barry MacDonnell, Port Engineering Dept.
Rachel Hess, Innovative Technical Solutions, Inc.

Cc (w/o encl.): Jeff Jones, Port Environmental Health & Safety Compliance Dept.
Roberta Schoenholz, Port Environmental Health & Safety Compliance Dept.
Chris Alger, Iris Environmental

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FUTURE PORT FIELD SUPPORT SERVICES COMPLEX
2225 & 2277 SEVENTH STREET
PORT OF OAKLAND
OAKLAND, CALIFORNIA

Prepared for

Port of Oakland
Oakland, California

Prepared by

IRIS/CAMBRIA JV
1615 Broadway, Suite 1003
Oakland, California

June 11, 2002
Job No. 01-201-B

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1.0 INTRODUCTION

The joint venture of Iris Environmental and Cambria Environmental (Iris/Cambria) was retained by the Port of Oakland (the Port) to conduct a predevelopment, planning scale Phase II Environmental Site Assessment of 2225 and 2277 Seventh Streets (the Site) to support design and engineering for the Future Port Field Support Services Complex. The Site is approximately 22 acres in size and is located immediately west of Maritime Street and south of the adjacent Bay Area Rapid Transit (BART) right-of-way, on Port property in Oakland, California (Figure 1). All field activities performed for this investigation were outlined in the *Phase II Environmental Site Assessment Work Plan, 2225 and 2277 Seventh Street, Port of Oakland, Oakland, California* (Work Plan) submitted to the Alameda County Health Care Services, Division of Environmental Health, in March of 2002.

Former USTs located within the Site have been the source of petroleum hydrocarbon releases to soil and groundwater contamination and a separate phase hydrocarbon plume. Previous investigations have identified a diesel plume located in the middle portion of the Site. A product recovery system connected to extraction wells is part of ongoing mitigation efforts. The Phase II field program was configured to investigate site conditions that may impact site redevelopment and were based on known or suspected past uses identified in the *Expanded Environmental Site Assessment, Future Field Support Services Complex, Port of Oakland, Oakland,* prepared by Iris/Cambria in February 2002. The objectives for the investigation included:

- Define the lateral and vertical extent of the existing petroleum hydrocarbon plume in both soil and groundwater.
- Assess whether chemicals of concern other than petroleum hydrocarbons are present within the redevelopment area.
- Collect adequate soil, groundwater, and soil vapor data to support risk screening and potential risk assessment for redevelopment planning.

This report is organized with a description of the field program presented in Section 2, an overview of the geologic and hydrogeologic findings presented in Section 3, and results of the chemical testing presented in Section 4.

2.0 ENVIRONMENTAL FIELD PROGRAM

Subsurface data for this Phase II ESA were collected during a single sampling event conducted from March 25 through March 28, 2002. A total of 46 borings were drilled as part of the program. Soil, groundwater, and soil gas samples were collected from all, or selected borings in accordance with the work plan. Locations of borings are presented on Figure 2. During the investigation, an on-site mobile laboratory was utilized to analyze selected samples to provide real time data on sample concentrations of volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH). The sample collection locations could therefore be adjusted as necessary to refine the field investigation. A stationary laboratory was utilized for the remaining analyses. Table 1 provides a summary of all sample collection and chemical analyses conducted during the field program.

2.1 MOBILIZATION OF FIELD WORK

Various activities were conducted prior to the start of field work. The appropriate boring permits were filed with the Alameda County Department of Public Health, Water Resources Section, prior to the start of the drilling program. Each boring location was cleared for potential underground utilities by California Utility Surveys, an independent utility survey subcontractor, prior to beginning subsurface work. Underground Service Alert was notified more than 48 hours prior to beginning drilling activities. A site specific Health and Safety Plan (HASP) was prepared and distributed to on-site field personnel.

2.2 DRILLING AND SAMPLING PROCEDURES

The forty-six borings advanced in March of 2002 were drilled by Precision Sampling, Incorporated of Richmond, California, using a custom built, hydraulically powered direct-push drill rig. A geologist was present during drilling to obtain samples of subsurface materials, maintain lithologic logs of the borings, make observations of the work area conditions, conduct health and safety monitoring for possible organic vapors during drilling, and provide technical assistance as required. Soil sample collection using the direct push drill rig was conducted using the Enviro-core™ system, whereby two nested sample rods are driven into the ground. A smaller-diameter inner rod was used to obtain and retrieve the soil cores, while an outer tube served as a temporary drive casing to prevent sloughing of the formation. Soil sample collection for analytical laboratory submittal was conducted using a thirty six-inch long, 2.5-inch diameter Enviro-core™ sampling rod advanced with a hydraulically powered, direct push system. Boring logs

for the forty-six soil borings advanced in March 2002 can be found in Appendix A.

Prior to mobilization of the equipment, the drill rigs, drill pipe, sampling equipment, and other associated equipment were cleaned with a high pressure steam cleaner to remove oil, grease, mud and other foreign matter. Sampling equipment was steam cleaned between each boring location to reduce the potential for cross-contamination between borings.

Investigation-derived wastes were properly contained and stored on site in a Port-designated location for subsequent disposal by a Port waste disposal subcontractor.

2.2.1 Soil Sample Collection

Between one and three soil samples were collected from each of the boring locations advanced during this investigation for laboratory analysis. Soil samples were retained within the sample barrel in pre-cleaned, six-inch, stainless steel sample tubes. Soil samples not submitted for chemical analyses were classified according to the Unified Soil Classification System, and the colors of the soils were identified using the Munsell color chart. Soil samples retained for chemical analysis were labeled, the ends covered with Teflon™ tape, fitted with plastic end caps, and sealed with silicon tape.

In general, a shallow soil sample was collected from a depth of approximately 0.5 feet below ground surface (bgs), an intermediate sample was collected from approximately 2.5 feet bgs, and a deeper sample was collected from approximately 5.5 feet bgs. Additional soil samples were collected for sample duplicates for quality control analyses. Soil samples collected from saturated materials were not submitted for chemical analyses. Sample tubes for chemical analysis were stored in iced coolers for transport under chain-of-custody protocol to STL San Francisco, Environmental Services (STL San Francisco), a California-certified laboratory located in Pleasanton, California, or to an on-site mobile laboratory operated by Mobile Chem Laboratory, a California-certified laboratory based in Lafayette, California. The analytical laboratory reports from both laboratories are contained in Appendix B of this report. A summary of the soil sample analytical program is presented in Table 1. Sampling results are discussed in Section 4.

During soil sampling, discrete soil samples were collected at depths adjacent to the soil samples collected for laboratory analysis and placed in a ½ pint mason jar for field VOC screening using a Photo Ionization Detector (PID). The soil screening methodology was as follows: the soil sample was placed in the mason jar, the jar was sealed with an aluminum foil sheet, and the sample was shaken and allowed to equilibrate at ambient temperature for approximately five to ten minutes. The sample was then screened by inserting the probe of the PID through the aluminum foil seal on the jar and into the soil sample headspace. The highest reading indicated on the instrument readout

meter was recorded on the field soil-boring log. The PID was calibrated to both background conditions and 100-ppm isobutylene span gas.

2.2.2 Groundwater Sample Collection

Grab groundwater samples were collected through temporary PVC well casings set into twenty-five selected boreholes immediately after soil sample collection. The temporary wells were constructed using factory cleaned, 2-inch diameter PVC casing with machine cut slots. Each temporary well was allowed to equilibrate for a minimum of forty-five minutes prior to sampling. The upper water column was observed for evidence of free product prior to sampling. If free product thickness greater than a sheen was present, a free product sample was collected by Innovative Technical Solutions Inc. (ITSI). The groundwater samples were collected from the temporary wells using a pre-cleaned, PVC disposable bailer. Groundwater was transferred directly from the bailer into sampling containers provided by the laboratory. Samples were labeled and placed in iced coolers for transport to STL San Francisco or Mobile Chem Laboratory. A summary of the grab groundwater sample analytical program is presented in Table 1.

2.2.3 Soil Gas Sample Collection

Seventeen soil gas samples were collected from selected boring locations for chemical analyses. Soil gas was collected at a depth of approximately 4.0 feet bgs in both tedlar sample bags and Summa canisters. Each soil gas sample set was collected directly through Teflon™ tubing routed down a 1-inch diameter drill rod and connected to a sealed, retractable tip. The drill rod was advanced to approximately 4.0 feet bgs and retracted a short distance to open the tip and exposing the soil interface. A calculated volume of air was then purged from the tubing and borehole space using a vacuum pump. Tedlar bag samples were collected using a differential pressure chamber connected to the vacuum pump. The tedlar bag was placed in the chamber, connected to the sample tubing, and opened. As the chamber is evacuated and pressure dropped below ambient soil pressure levels, soil gas flowed into the bag. After filling the tedlar sample bag, the sample tubing was closed and transferred to an evacuated Summa canister for additional sampling. Samples collected in tedlar sample bags and Summa canisters were transported under chain-of-custody protocol to STL San Francisco for chemical analysis. A summary of the soil gas sample analytical program is presented in Table 1.

2.2.4 Quality Control Sample Collection

Field quality control samples were collected during the March 2002 field investigation. Quality control samples collected include: soil and grab groundwater sample duplicates, trip blanks, and field equipment blanks. All sample duplicates were

collected immediately following the original sampling. Soil duplicate samples were typically collected in adjacent soil sampling tubes from the primary samples. Grab groundwater duplicate samples were collected in a second set of sample bottles. All sample duplicates were collected following standard sampling procedures. Field blanks (includes trip blanks and field equipment blanks) were collected daily. Laboratory prepared trip blanks were placed in each sample storage cooler on ice at the beginning of each sampling day and accompanied the accumulated samples to the laboratory. Field equipment blanks were collected daily by collecting deionized water after it was poured through a clean sampling barrel set up for soil sampling.

2.3 CHEMICAL ANALYSIS

Soil and groundwater samples were analyzed for a suite of chemicals selected to test for potential site impacts from previous site use, with a [redacted]. In addition, soil gas samples were tested for fixed gases in accordance with Port sampling program requirements and to provide data for possible future analysis of remediation options.

Selected soil and groundwater samples were analyzed by the on-site mobile laboratory, while the remainder of the samples was submitted to the stationary laboratory. The analytical program is described in the sections below by media type. Table 1 provides a summary of all sample collection and analyses. Detailed analytical results are discussed in Section 4.0, presented in Tables 2 through 11, and shown on Figures 3 through 10 of this report. All laboratory analytical data sheets are presented in Appendix B.

2.3.1 Soil

Soil samples collected during this investigation were tested for various chemical compounds as summarized in Table 1. Soil samples from each boring were analyzed for TPH as gasoline, diesel, kerosene, and jet fuel by EPA Method 8015M, VOCs by EPA Method 8260, semivolatile organic compounds (SVOCs) by EPA Method 8270, and Title 26 Metals. Selected samples were also analyzed for organic lead by the LUFT method. Selected soil samples were tested for TPH as gasoline using EPA Method 8260 by Mobile Chem Laboratory. Soil chemical data are presented in Tables 2, 5, 8, and 10. Selected data results are presented on Figures 3, 6, and 9. Soil analytical results are discussed in Section 4.1.

2.3.2 Groundwater

Groundwater samples collected during this investigation were tested for various chemical compounds as summarized in Table 1. Groundwater samples were analyzed for TPHg, diesel (TPHd), kerosene (TPHk), jet fuel (TPHj) and motor oil (TPHmo) by EPA Method 8015M, VOCs by EPA Method 8260, SVOCs by EPA Method 8270, and organic lead by the CA LUFT Method. Groundwater chemical data are presented in Tables 3, 6, 9, and 11. Selected data results are presented on Figures 4, 7 and 10. Groundwater analytical results are discussed in Section 4.2.

2.3.3 Soil Gas

Soil gas samples collected during this investigation were tested for various chemical compounds as summarized in Table 1. Soil gas samples were analyzed for TPHg by EPA Standard Method TO-3, VOCs by EPA Method 8260, methane and fixed gases, which include oxygen, carbon monoxide, carbon dioxide, and nitrogen, by ASTM Method D1946. Soil gas data are presented in Tables 4 and 7. Data results are presented on Figures 5, 8, 11, and 12. Soil gas analytical results are discussed in Section 4.3.

2.3.4 Quality Control Sample Analysis

Field collected quality control samples were tested following an abbreviated analytical program relative to the primary samples. Soil and grab groundwater duplicate samples were analyzed according to the program presented in Table 1. Quality control duplicate analytical data are incorporated in the corresponding tables and figures as organized by analyte and matrix type. Trip blanks were analyzed for VOCs and TPHg. Equipment blanks were analyzed for a standard set of common field contaminants that include: VOCs, Title 26 Metals including Cr VI, and TPHs. Data for trip and equipment blanks are included in the original laboratory reports (Appendix B).

3.0 GEOLOGIC AND HYDROGEOLOGIC FINDINGS

3.1 SOIL

The entire Site is covered either with asphalt pavement or buildings. The asphalt pavement was typically an inch or two thick with several inches to a foot of underlying baserock. Soil materials encountered beneath the baserock consisted of various types of imported fill materials placed over Bay Mud-type soils. [redacted] An additional fill material was encountered in several borings above the dredged materials. [redacted] This type of fill material is noted on the lithologic boring logs as [FILL]. Only one boring (MFC-24) met refusal in this upper fill material. Boring logs are presented in Appendix A.

Bay Mud was encountered at the Site at depths ranging from approximately 8.5 feet bgs, in boring MFC-13 located south of Building C-401 in the central portion of the Site to 11 feet bgs in the boring MFC-45, located near the southeastern-most property boundary. The coloration of the Bay Mud varies from olive gray to greenish gray. When Bay Mud is discernable, it is designated as [BAY MUD] in the lithologic boring logs.

3.2 GROUNDWATER

[redacted] bgs. Groundwater was notably depressed in areas under the building footprints. Groundwater was not encountered at several boring locations (MFC-10, MFC-24, MFC-30, MFC-32 and MFC-42). In areas where temporary wells were installed, it was noted that the general recharge of groundwater was slow and it was often difficult to collect enough groundwater for the entire analytical bottle set. Additional information on groundwater elevations at the time of drilling is noted on the boring logs. Boring logs for locations drilled during this investigation can be found in Appendix A.

4.0 RESULTS OF CHEMICAL TESTING

The following section provides the results of the chemical testing for soil, groundwater, and soil gas samples collected on the Site during the March 2002 field investigation. During this investigation, both a mobile laboratory and a stationary laboratory were used to analyze recently collected samples. The results presented in this section summarize the findings of both laboratories. Table 1 summarizes the sample collection and analytical program. Tabular summaries of all results are presented in Tables 2 through 11. Limited compound detections from the Site are shown on Figures 3 through 12. Appendix B of this report presents laboratory data sheets for soil, groundwater, and soil gas, and all quality control samples collected during the investigation.

Quality control sample analytical results and laboratory validation results did not identify any condition that required qualification of the analytical data.

4.1 SOIL

4.1.1 Total Petroleum Hydrocarbons

One hundred thirty five soil samples collected from forty-six borings were tested for TPHd. One hundred thirty four were also analyzed for TPHg and 112 were analyzed for TPHj, TPHk, and TPHmo. Each sample was analyzed for TPHs by USEPA Method 8015M. Selected samples were analyzed for TPHg by EPA Method 8260 by the mobile laboratory. The soil sample analytical results for TPHs are presented in Tables 2 and shown on Figures 3. A complete set of the laboratory analytical reports are located in Appendix B.

TPHd was detected in 87 of 135 discrete samples. Detected concentrations of TPHd ranged from 1.0 mg/kg at boring locations MEC-12 and MEC-10 at 4.0 to 5,700 mg/kg at boring location MEC-37 at 4.5 feet bgs. TPHg was detected in 6 of 134 discrete samples. Detected concentrations of TPHg ranged from 1.7 milligrams per kilogram (mg/kg) to 310 mg/kg at boring locations MEC-04 at 5.0 feet bgs and MEC-37 at 4.5 feet bgs, respectively. TPHmo was detected in 58 of 112 discrete samples. Detected concentrations of TPHmo ranged from 51 mg/kg to 3,000 mg/kg at boring locations MEC-08 at 5.0 feet bgs and MEC-39 at 1.5 feet bgs, respectively. TPHj and TPHk were not detected in any samples collected on the Site.

4.1.2 Volatile Organic Compounds

One hundred twenty five discrete soil samples collected from the forty-six soil borings were analyzed for VOCs by USEPA Method 8260. The soil sample analytical

results for VOCs are presented in Table 5 and shown on Figure 6. A complete set of the laboratory analytical reports are located in Appendix B.

Seventeen different VOCs were detected in 18 discrete soil samples. Eight of the 17 compounds detected had a single detection. Three compounds (naphthalene, toluene, and xylenes) of the 17 were detected three or more times. Of the 17 detected compounds, only naphthalene was detected at a slightly elevated concentration (15 micrograms per kilogram (µg/kg) to 240 µg/kg, in MFC-12 and MFC-37, respectively).

4.1.3 Inorganic Metals and Organic Lead

One hundred twelve discrete soil samples collected from the forty-six soil borings were tested for Title 26 metals (Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, and Zinc) by USEPA Methods 6010/7471. In addition, one hundred twelve discrete soil samples were analyzed for Chromium VI by USEPA Method 7196. Twelve selected soil samples were also analyzed for organic lead by the California Leaking Underground Storage Tank (LUFT) Method. Table 1 presents a complete list of soil samples analyzed for organic lead. The soil sample analytical results are presented in Table 10. A complete set of the laboratory analytical reports are located in Appendix B.

Metals were consistently detected at low levels across the site. Ho[redacted] ar[redacted] ranged from 1.1 mg/kg to 680 mg/kg, at MFC-14 at 2.0 bgs and MFC-08 at 2.0 bgs, respectively. Ars[redacted] 4.0 bgs and [redacted]y. Organic lead was not detected in any soil samples collected on the Site.

4.1.4 Semivolatile Organic Compounds

Forty-six composite and two discrete soil samples collected from the forty-six soil borings were tested for SVOCs by USEPA Method 8270. The soil sample analytical results for SVOCs are presented in Table 8 and shown on Figure 9. A complete set of the laboratory analytical reports are located in Appendix B.

Eleven different SVOCs were detected in five composite soil samples. Four of the 11 detections were single occurrence detections. Four of the 11 compound detections; 2-methylnaphthalene, fluorene, naphthalene, and phenanthrene, were detected three or more times. Naphthalene was detected at three locations, two of these locations, MFC-04 and MFC-37, also had detections of naphthalene in soil samples analyzed for VOCs.

4.2 GROUNDWATER

4.2.1 Total Petroleum Hydrocarbons

Forty-seven grab groundwater samples collected from thirty-four boring locations were tested for TPHd. Forty-four groundwater samples were also analyzed for TPHg and 30 were analyzed for TPHj, TPHk, and TPHmo. All TPH analyses were performed by USEPA Method 8015M. The grab groundwater sample analytical results for TPHs are presented in Table 2 and shown on Figure 3. A complete set of the laboratory analytical reports are located in Appendix B.

TPHd was detected in 19 of 47 grab groundwater samples. Detected concentrations of TPHd ranged from 69 µg/L to [redacted] at boring locations MFC-13 and MFC-31, respectively. TPHg was detected in 11 of 44 grab groundwater samples. Detected concentrations of TPHg ranged from 94 micrograms per liter (µg/L) to 4,600 µg/L at boring locations MFC-36 and MFC-33, respectively. TPHmo was detected in 6 of 30 grab groundwater samples. Detected concentrations of TPHmo ranged from 510 µg/L to 7,100 µg/L at boring locations MFC-13 and MFC-19, respectively. TPHj and TPHk were not detected in any grab groundwater samples collected on the Site.

4.2.2 Volatile Organic Compounds

Thirty-nine grab groundwater samples collected from the thirty-six boring locations were tested for VOCs by USEPA Method 8260. The grab groundwater sample analytical results for VOCs are presented in Table 6 and shown on Figure 7. A complete set of the laboratory analytical reports are located in Appendix B.

Twenty-three different VOCs were detected in 19 grab groundwater samples. Six of the 23 detected compounds were single occurrence detections. Thirteen of the 23 detected compounds were detected three or more times, and three of these (benzene, cis-1, 2-dichloroethene, and naphthalene) were detected seven or more times.

4.2.3 Organic Lead

Thirteen grab groundwater samples collected from eleven boring locations were tested for organic lead by the LUFT Method. Table 1 presents a complete list of grab groundwater samples analyzed for organic lead. The groundwater sample analytical results are presented in Table 11. A complete set of the laboratory analytical reports are located in Appendix B.

Organic lead was not detected in any of the grab groundwater samples collected on the Site.

4.2.4 Semivolatile Organic Compounds

Fourteen grab groundwater samples collected from 12 soil boring locations were tested for SVOCs by USEPA Method 8270. The grab groundwater sample analytical results for SVOCs are presented in Tables 9 and shown on Figure 10. A complete set of the laboratory analytical reports are located in Appendix B.

Five different SVOCs were detected in six grab groundwater samples. One of the five compounds detected was a single occurrence detection. The other four compounds were detected five or more times. Naphthalene was detected at four locations; all of these locations also had detections of naphthalene in grab groundwater samples analyzed for VOCs.

4.3 SOIL GAS

4.3.1 Total Petroleum Hydrocarbons

Twenty-three soil gas samples collected from 23 boring locations were analyzed for TPHg by USEPA Method TO-3. The soil gas sample analytical results for TPHg are presented in Table 4 and shown on Figures 5 and 11. A complete set of the laboratory analytical reports are located in Appendix B.

[redacted] Detected concentrations of TPHg ranged from 6.9 parts per million by volume (ppmv) to 28,000 ppmv at boring locations MFC-45 and MFC-16, respectively. As shown on Figure 11, TPHg in soil gas was detected at locations beyond the estimated extent of the free product plume (ITSI, 2002), however [redacted]

4.3.2 Volatile Organic Compounds

All 23 soil gas samples were tested for VOCs by USEPA Method 8260. The soil gas sample analytical results for VOCs are presented in Table 7 and shown on Figure 8. A complete set of the laboratory analytical reports are located in Appendix B.

Fourteen different VOCs were detected in 11 soil gas samples. Nine of the 14 detected compounds were single occurrence detections. Two of the 14 detected compounds (benzene and xylenes), were detected three or more times, and benzene was detected seven times at concentrations ranging from 0.5 µg/L to 170 µg/L at MFC-35 and MFC-16, respectively.

4.3.3 Methane

All twenty-three soil gas samples were tested for Methane by ASTM Method D1946. The soil gas sample analytical results for methane are presented in Table 4 and shown on Figure 12. A complete set of the laboratory analytical reports are located in Appendix B. Methane was detected in 16 of 23 soil gas samples, at concentrations ranging from 0.0007 percent by volume (%v) to 78%v at boring locations MFC-05 and MFC-29, respectively.

As shown on Figure 12, of methane was detected in soil gas samples collected from locations beyond the estimated extent of the free product plume (ITSI 2002). Nearly all of the free product plume area corresponds to areas with detected levels of methane greater than 5%. The lower explosive limit and upper explosive limit of methane in free air are 5% and 15%, respectively. Concentrations of methane in soil gas typically will evolve during underground construction, as soil is exposed to the atmosphere. The presence of methane in the subsurface should be considered during the planning stages for site redevelopment.

4.3.4 Fixed Gases

All twenty-three soil gas samples were tested for Fixed Gases (carbon dioxide, carbon monoxide, nitrogen, and oxygen) by ASTM Method D1946. The soil gas sample analytical results for Fixed Gases are presented in Table 4 and shown on Figure 5. A complete set of the laboratory analytical reports are located in Appendix B.

Carbon dioxide concentrations ranged from 0.039%v to 17%v at MFC-23 and MFC-18, respectively. Nitrogen concentrations ranged from 15%v to 92%v at MFC-17 and MFC-01, respectively. Oxygen concentrations ranged from 0.35%v at MFC-18 to 22%v at MFC-23 and MFC-38, respectively. Carbon monoxide was not detected in any soil gas samples collected on the Site.

As shown on Figure 5, detections concentrations of carbon dioxide in soil gas decreased in the area of the free phase hydrocarbon plume where free phase hydrocarbon thickness increased. Alternatively, the detected concentrations of oxygen in soil gas were highest in samples collected from the same locations. This pattern suggests that the vadose zone is in an aerobic state where free phase hydrocarbon thickness is greatest. The vadose zone is increasingly anaerobic on the fringes of the plume.

5.0 NATURE AND EXTENT OF CHEMICAL IMPACTS

Results of the soil, groundwater, and soil gas sampling conducted for this program identified a pattern of chemical impacts that are consistent with past site use and known petroleum hydrocarbon releases from USTs. [redacted] Distributions of TPHg in soil gas, TPHg and TPHd in groundwater, and TPHd and TPHmo in soil suggest a broader pattern of petroleum hydrocarbon releases or migration than is evidenced by the free product distribution pattern. This broader pattern may be the result of fluctuating groundwater flow directions and elevation over time that expanded the distribution of dissolved phase hydrocarbons beyond the free product plume area.

Low level concentrations and inconsistent distributions of VOCs and SVOCs observed in the sampling results did not identify a clear source area for the detected chemicals. The areal extent of VOC and SVOC detections in soil and groundwater samples does coincide roughly with the TPH detection pattern in soil and groundwater, although no systematic area of elevated concentrations was identified.

TPHg and methane detections in soil gas were relatively consistent to the pattern of free product. Soil gas patterns followed the observed deflection of the free product plume westward along the southern edge of Building C-401, suggesting that geologic and possibly building foundation controls have an effect on chemical migration in this area.

6.0 SUMMARY

Data collected during the Phase II Environmental Site Assessment indicate the Site is impacted from past use, primarily from elevated concentrations of petroleum hydrocarbons in shallow subsurface soils, groundwater and soil gas. Detected concentrations of petroleum hydrocarbons on the Site were found in areas that extended beyond previously known areas of impact. Limited detections of VOCs and SVOCs in soil and groundwater, metals in soil, and methane in soil gas are potential concerns for site redevelopment. Considering that the sampling locations and chemical analyses performed on samples were selected based on the findings of the Phase I ESA, the occurrence and levels of chemical concentrations in the samples are consistent with the anticipated conditions. A site specific, human health risk assessment should be conducted to identify which chemicals and related concentrations may require consideration for redevelopment and building design.

7.0 REFERENCES

HARDING ESE. 2001. *Third Quarter 2001 Quarterly Groundwater Monitoring and Product Recovery Report, 2277 and 2225 Seventh Street, Oakland, California.* November 15

IRIS ENVIRONMENTAL. 2002. *Expanded Environmental Site Assessment, Future Field Support Services Complex, Port of Oakland, Oakland, California.* February 19.

IRIS ENVIRONMENTAL. 2002. Phase II Environmental Site Assessment Work Plan, 2225 and 2277 Seventh Street, Port of Oakland, Oakland, California. March.

ITSI. 2002. *Additional Site Characterization and Remedial Action Plan for 2225 and 2277 Seventh Street, Oakland, California.* May.

APPENDIX B

LABORATORY ANALYTICAL REPORTS

This appendix contains the following laboratory analytical data package:

Mobile Chem Labs Inc. Project # D1-201-A

STL San Francisco Report # 2002-03-0496

STL San Francisco Report # 2002-03-0504

STL San Francisco Report # 2002-03-0527

STL San Francisco Report # 2002-03-0553

STL San Francisco Report # 2002-03-0540

STL San Francisco Report # 2002-04-0014

TABLE 1: SUMMARY OF SOIL, GROUNDWATER, AND SOIL GAS SAMPLING AND ANALYTICAL TESTING
Phase II Environmental Site Assessment
Future Field Services Support Center - Port of Oakland
Oakland, California

Sample Region	Sample Location	Sample Depths [2]	Sample Date	Summary of Soil Analyses [1]							Summary of Groundwater Analyses [1]					Summary of Soil Gas Analyses [1,6]			
				TVH	TEH [11]	VOCs [3]	SVOCs [7]	Metals	BTEX [7]	Organic Lead	TVH	TEH [11]	VOCs	SVOCs	Organic Lead	TPHg	VOCs	Methane	Fixed Gases
2277 7th Street																			
	MFC-01	1.0, 2.0, 4.0	3/27/02	X	X	X	X	X	X		X	X	X			X	X	X	X
	MFC-02	1.5, 4.5, 5.5	3/27/02	X	X	X	X	X	X		X	X	X						
	MFC-03	1.5, 4.5, 7.5	3/27/02	X	X	X	X	X			X	X	X			X	X	X	X
	MFC-04	5.0, 8.5, 11.0	3/26/02	X	X	X	X	X			X	X	X						
	MFC-05	5.0, 8.0, 11.0	3/26/02	X	X	X	X	X	X		X	X	X			X	X	X	X
	MFC-06	5.0, 8.5, 9.0 [8]	3/26/02	X/O	X/O	X/O	X	X	X	X [9]	O	X/O	O	X	X				
	MFC-07	3.0, 5.0, 5.5 [8],8.5, 9.0 [8]	3/26/02	X/O	X/O	X/O	X	X	X	X [9]	O	X/O	O	X		X	X	X	X
	MFC-08	2.0, 5.0, 5.5 [8], 8.0 [8]	3/26/02	X/O	X/O	X/O	X	X	X	X [9]	O	X/O	O	X	X				
	MFC-09	2.0, 5.0, 5.5 [8]	3/26/02	X/O	X/O	X/O	X	X	X	X [9]	O	X/O	O	X	X				
	MFC-10	1.5, 5.0	3/27/02	X	X	X	X	X	X							X	X	X	X
	MFC-11	1.5, 4.0	3/27/02	X	X	X	X	X	X		O	X/O	O						
	MFC-12	1.5, 4.0	3/26/02	X	X	X	X	X	X		X	X	X	X	X				
	MFC-13	1.5, 3.0	3/27/02	X	X	X	X	X	X		X	X	X			X	X	X	X
	MFC-14	1.5, 3.0, 4.0	3/25/02	X	X	X	X	X	X	X [9]	X	X	X	X [10]	X [10]	X	X	X	X
	MFC-15	1.5, 3.0, 4.5[10]	3/26/02	X	X	X	X	X	X	X [9]	X	X	X	X	X	X	X	X	X
	MFC-16	1.5, 4.0	3/25/02	X	X	X	X	X	X	X [9]						X	X	X	X
	MFC-17	1.5, 4.5	3/26/02	X	X	X	X	X	X		X	X	X			X	X	X	X
	MFC-18	1.5, 3.0, 4.5	3/25/02	X	X	X	X	X	X	X [9]	X	X	X	X	X	X	X	X	X
	MFC-19	1.0, 2.0, 4.0	3/25/02	X	X	X	X	X	X	X [9]	X	X	X	X	X	X	X	X	X
2225 7th Street																			
	MFC-20	4.0, 7.0, 14.0 [8]	3/27/02	X/O	X/O	X/O	X	X			O	O	O						
	MFC-21	1.5[10], 4.5, 8.0	3/28/02	X	X	X	X	X	X				X						
	MFC-22	1.5, 4.5, 7.5	3/28/02	X	X	X	X	X	X										
	MFC-23	1.5, 5.5, 8.0	3/28/02	X	X	X	X	X	X		X	X	X			X	X	X	X
	MFC-24	1.5, 4.0, 4.5 [8]	3/27/02	X/O	X/O	X/O	X	X	X										
	MFC-25	1.0 [10], 4.5, 1.0 [8], 7.5 [8]	3/28/02	X/O	X/O	X/O	X [12]	X	X		O	X/O	O						
	MFC-26	1.5, 5.0, 7.5	3/27/02	X	X	X	X	X	X		X	X	X						
	MFC-27	1.5, 4.5, 5.5 [8]	3/27/02	X/O	X/O	X/O	X	X	X		O	X/O	O						
	MFC-28	1.0, 5.0	3/27/02	X	X	X	X	X	X		X		X			X	X	X	X
	MFC-29	1.0, 4.5[10], 5.5 [8]	3/26/02	X/O	X/O	X/O	X	X	X							X	X	X	X
	MFC-30	1.5, 4.5 [8]	3/27/02	X/O	X/O	O	X	X	X										
	MFC-31	1.5, 3.0, 4.5, 5.0 [8]	3/25/02	X/O	X/O	X/O	X	X	X	X [9]	X/O	X [5]/O	X/O	X [5]	X [5]	X	X	X	X
	MFC-32	1.5	3/26/02	X	X		X [12]	X	X										
	MFC-33	1.5, 3.0, 5.0, 5.5 [8]	3/25/02	X/O	X	X/O	X	X	X		X/O	X/O	X/O			X	X	X	X

TABLE 1: SUMMARY OF SOIL, GROUNDWATER, AND SOIL GAS SAMPLING AND ANALYTICAL TESTING
Phase II Environmental Site Assessment
Future Field Services Support Center - Port of Oakland
Oakland, California

Sample Region	Sample Location	Sample Depths [2]	Sample Date	Summary of Soil Analyses [1]							Summary of Groundwater Analyses [1]					Summary of Soil Gas Analyses [1,6]			
				TVH	TEH [11]	VOCs [3]	SVOCs [7]	Metals	BTEX [7]	Organic Lead	TVH	TEH [11]	VOCs	SVOCs	Organic Lead	TPHg	VOCs	Methane	Fixed Gases
2225 7th Street (Contined)																			
	MFC-34	1.5, 3.0, 5.5, 6.0 [8]	3/26/02	X/O	X/O	X/O	X	X	X		X	X	X						
	MFC-35	1.0, 2.0, 5.0, 5.5 [8]	3/25/02	X/O	X	X/O	X	X	X	X [9]	X/O	X/O	X/O	X	X	X	X	X	X
	MFC-36	1.5[10], 4.5	3/28/02	X	X	X	X	X	X		X	X	X			X	X	X	X
	MFC-37	1.5, 4.5, 5.0	3/25/02	X/O	X	X/O	X	X	X	X [9]	O	O	O	X	X	X	X	X	X
	MFC-38	1.0, 2.5, 5.0, 5.5 [8]	3/26/02	X/O	X/O	X/O	X	X	X		O	O	O			X	X	X	X
	MFC-39	1.5	3/26/02	X	X		X [12]	X	X		O	X/O	O						
	MFC-40	1.5, 3.0, 4.5, 5.0 [8]	3/26/02	X/O	X/O	X/O	X	X	X		O	X/O	O						
	MFC-41	1.5, 2.5, 4.0, 4.5 [8]	3/26/02	X/O	X/O	X/O	X	X	X		O	X/O	O			X	X	X	X
	MFC-42 [13]																		
	MFC-43	1.5, 4.5	3/28/02	X	X	X	X	X	X										
	MFC-44	1.5, 4.5, 5.0 [8]	3/26/02	X/O	X/O	X/O	X	X	X		O	X/O	O						
	MFC-45	1.5, 4.5	3/28/02	X	X	X	X	X	X		O	X/O	O			X	X	X	X
	MFC-46	4.0, 7.0, 7.5 [8]	3/27/02	X/O	X/O	X/O	X	X											

Notes:

X = analyzed by STL San Francisco

O = analyzed by Mobile Chem Labs

(1) "TVH" indicates Total Volatile Hydrocarbons as gasoline by EPA Method 8015 modified for both soil and groundwater samples. Soil gas samples were analyzed by EPA Method TO-3.
"TEH" indicates Total Extractable Hydrocarbons as diesel, jet fuel, kerosene, and motor oil,by EPA Method 8015 modified.
Samples were treated with a silica gel column clean-up prior to analysis.
"VOCs" indicates halogenated volatile compounds by EPA Method 8260. Compound lists from Mobile Chem Lab and STL San Francisco differ.
"BTEX" indicates benzene, toluene, ethylbenzene, and xylenes by EPA Method 8020.
"SVOCs" indicates semi-volatile organic compounds by EPA Method 8270.
"Metals" indicates Title 26 Metals (Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Ni, Pb, Sb, Se, Ti, V, Zn) by EPA Method 6010/6020/7471 and Cr VI by EPA Method 7196A.
"Organic Lead" indicates organic lead (OL) by CA Leaking Underground Storage Tank (LUFT) Method
"Methane" indicates methane by ASTM Method D1946.
"Fixed Gases" indicates fixed gases (carbon dioxide, oxygen, and nitrogen) by ASTM Method D1946.

(2) Soil samples are collected in six-inch tubes beginning with depth indicated.

(3) Shallow soil samples (1 foot or less) were not tested for VOCs since it is unlikely that these compounds persist in surface soils because of their volatile nature.

(4) Samples from this boring location were composited into one sample for this analysis.

(5) These analysis were repeated on samples taken on 03/28/02.

(6) All soil gas samples were collected from a depth of approximately 4.0 ' bgs.

(7) Shallow samples not analyzed for VOCs were instead analyzed for BTEX compounds only.

(8) Sample was analyzed on site in a mobile laboratory.

(9) Organic Lead was analyzed in only the deepest of the soil samples collected at each location.

(10) An adjacent six-inch tube was collected as a duplicate soil sample at the depth indicated.

(11) Mobile Chem Lab samples only analyzed for Total Extractable Hydrocarbons (TEH) in the diesel range.

(12) The samples at this location were not composited for SVOC analysis.

(13) No samples were collected at this location due the limited depth of the boring.

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-01	MFC-01	MFC-02	MFC-02	MFC-02	MFC-03	MFC-03
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
ANALYTICAL METHOD	8015M	8015M	8015M	8015M	8015M	8015M	8015M	8015M
DEPTH [1]	1.0	2.0	4.0	1.5	4.5	5.5	1.5	4.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Jet Fuel - A	< 20	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Kerosene	< 20	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Diesel	**110 ndp**	**31 ndp**	< 1.0	**5.8 ndp**	< 1.0	< 1.0	**19 ndp**	**4.5 ndp**
Motor Oil	**1300**	**130**	< 50	< 50	< 50	< 50	**310**	< 50

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-03	MFC-04	MFC-04	MFC-04	MFC-05	MFC-05	MFC-05	MFC-06
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
ANALYTICAL METHOD	8015M	8015M	8015M	8015M	8015M	8015M	8015M	8015M
DEPTH [1]	7.5	5.0	8.5	11.0	5.0	8.0	11.0	5.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	**1.7 g**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Jet Fuel - A	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Kerosene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Diesel	< 1.0	**320 ndp**	< 1.0	< 1.0	**290 ndp**	**9.0 ndp**	< 1.0	**220 ndp**
Motor Oil	< 50	**210**	< 50	< 50	**840**	< 50	< 50	**470**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-06	MFC-06	MFC-07	MFC-07	MFC-07	MFC-07	MFC-07	MFC-08
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
ANALYTICAL METHOD	8015M	8015M	8015M	8015M	8015M	8015M	8015M	8015M
DEPTH [(1)]	8.5	9.0	3.0	5.0	5.5	8.5	9.0	2.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 200.0	< 1.0	< 1.0	< 200.0	< 1.0	< 200.0	< 1.0
Jet Fuel - A	< 1.0	--	< 1.0	< 5.0	--	< 1.0	--	< 5.0
Kerosene	< 1.0	--	< 1.0	< 5.0	--	< 1.0	--	< 5.0
Diesel	< 1.0	< 5.0	**92 ndp**	**240 ndp**	**13**	< 1.0	< 5.0	**160 ndp**
Motor Oil	< 50	--	**390**	**510**	--	< 50	--	**490**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-08	MFC-08	MFC-08	MFC-09	MFC-09	MFC-09	MFC-10	MFC-10
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/27/02	3/27/02
ANALYTICAL METHOD	8015M	8015M	3550M	8015M	8015M	3550M	8015M	8015M
DEPTH [(1)]	5.0	5.5	8.0	2.0	5.0	5.5	1.5	5.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 200.0	< 200.0	< 1.0	< 1.0	< 200.0	< 1.0	< 1.0
Jet Fuel - A	< 1.0	--	--	< 1.0	< 1.0	--	< 1.0	< 1.0
Kerosene	< 1.0	--	--	< 1.0	< 1.0	--	< 1.0	< 1.0
Diesel	**14 ndp**	< 5.0	< 5.0	**15 ndp**	< 1.0	< 5.0	**5.4 ndp**	< 1.0
Motor Oil	**51**	--	--	**95**	< 50	--	< 50	< 50

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-11	MFC-11	MFC-12	MFC-12	MFC-13	MFC-13	MFC-14	MFC-14
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/26/02	3/26/02	3/26/02	3/27/02	3/25/02	3/25/02
ANALYTICAL METHOD	8015M	8015M	8015M	8015M	8015M	8015M	8015M	8015M
DEPTH [1]	1.5	4.0	1.5	4.0	1.5	3.0	1.5	3.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 1.0	**1.9 g**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Jet Fuel - A	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Kerosene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Diesel	**12 ndp**	**15 ndp**	**21 ndp**	**1.0 ndp**	**110 ndp**	< 1.0	**13 ndp**	< 1.0
Motor Oil	**190**	**160**	**77**	< 50	**500**	< 50	**71**	< 50

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-14	MFC-15	MFC-15	MFC-15	MFC-15-DUP	MFC-16	MFC-16	MFC-17
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02	3/26/02
ANALYTICAL METHOD	8015M	8015M	8015M	8015M	8015M	8015M	8015M	8015M
DEPTH [(1)]	4.0	1.5	3.0	4.5	4.5	1.5	4.0	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1.0	< 1.0	< 1.0
Jet Fuel - A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Kerosene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Diesel	< 1.0	**6.9 ndp**	**6.1 ndp**	< 1.0	**1.6 ndp**	**8.0 ndp**	**16 ndp**	**55 ndp**
Motor Oil	< 50	**120**	< 50	< 50	< 50	**50**	< 50	**170**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-17	MFC-18	MFC-18	MFC-18	MFC-19	MFC-19	MFC-19	MFC-20
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02	3/27/02
ANALYTICAL METHOD	8015M	8015M	8015M	8015M	8015M	8015M	8015M	8015M
DEPTH [(1)]	4.5	1.5	3.0	4.5	1.0	2.0	4.0	4.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 1.0	**4.6 g**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Jet Fuel - A	< 1.0	< 1.0	< 10	< 1.0	< 10	< 1.0	< 1.0	< 1.0
Kerosene	< 1.0	< 1.0	< 10	< 1.0	< 10	< 1.0	< 1.0	< 1.0
Diesel	**2.8 ndp**	**11 ndp**	**310 ndp**	**5.9 ndp**	**370 ndp**	**3.8 ndp**	**1.0 ndp**	**21 ndp**
Motor Oil	< 50	**88**	**1100**	< 50	**1100**	< 50	< 50	**130**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-20	MFC-20	MFC-21	MFC-21-DUP	MFC-21	MFC-21	MFC-22	MFC-22
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/28/02	3/28/02	3/28/02	3/28/02	3/28/02	3/28/02
ANALYTICAL METHOD	8015M	3550M	8015M	8015M	8015M	8015M	8015M	8015M
DEPTH [1]	7.0	13.0	1.5	1.5	4.5	8.0	1.5	4.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 2,000.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Jet Fuel - A	< 20	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Kerosene	< 20	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Diesel	**230 ndp**	**1600**	**7.9 ndp**	**4.2 ndp**	< 1.0	< 1.0	< 1.0	< 1.0
Motor Oil	**1200**	--	**58**	< 50	< 50	< 50	< 50	< 50

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-22	MFC-23	MFC-23	MFC-23	MFC-24	MFC-24	MFC-24	MFC-25
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/28/02	3/27/02	3/27/02	3/27/02	3/28/02
ANALYTICAL METHOD	8015M	8015M	8015M	8015M	8015M	8015M	3550M	3550M
DEPTH [1]	7.5	1.5	5.5	8.0	1.5	4.0	4.5	1.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 200.0	<200.0
Jet Fuel - A	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	--	--
Kerosene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	--	--
Diesel	**1.1 ndp**	**17 ndp**	**4.2 ndp**	< 1.0	**9.4 ndp**	**150 ndp**	< 5.0	<5.0
Motor Oil	< 50	**89**	< 50	< 50	< 50	**600**	--	--

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-25-DUP	MFC-25	MFC-25	MFC-26	MFC-26	MFC-26	MFC-27	MFC-27
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
ANALYTICAL METHOD	8015M	8015M	3550M	8015M	8015M	8015M	8015M	8015M
DEPTH [1]	1.0	4.5	7.5	1.5	5.0	7.5	1.5	4.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 1.0	< 200.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Jet Fuel - A	< 1.0	< 1.0	--	< 1.0	< 1.0	< 1.0	< 50	< 1.0
Kerosene	< 1.0	< 1.0	--	< 1.0	< 1.0	< 1.0	< 50	< 1.0
Diesel	**69 ndp**	**9.9 ndp**	**1600**	< 1.0	**2.4 ndp**	< 1.0	**420 ndp**	< 1.0
Motor Oil	**290**	**59**	--	< 50	< 50	< 50	**2900**	< 50

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-27	MFC-28	MFC-28	MFC-29	MFC-29	MFC-29-DUP	MFC-29	MFC-30
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/26/02	3/26/02	3/26/02	3/26/02	3/27/02
ANALYTICAL METHOD	3550M	8015M	8015M	8015M	8015M	8015M	3550M	8015M
DEPTH [1]	5.5	1.0	5.0	1.0	4.5	4.5	5.5	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 200.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 200.0	< 1.0
Jet Fuel - A	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	< 5.0
Kerosene	--	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--	< 5.0
Diesel	< 5.0	**18 ndp**	< 1.0	**7.4 ndp**	< 1.0	< 1.0	< 5.0	**45 ndp**
Motor Oil	--	**170**	< 50	< 50	< 50	< 50	--	**520**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-30	MFC-31	MFC-31	MFC-31	MFC-31	MFC-32	MFC-33	MFC-33
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/25/02	3/25/02	3/25/02	3/25/02	3/26/02	3/25/02	3/25/02
ANALYTICAL METHOD	3550M	8015M	8015M	8015M	3550M	8015M	8015M	8015M
DEPTH [1]	4.5	1.5	3.0	4.5	5.0	1.5	1.5	3.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 200.0	< 1.0	**5.4 g**	< 1.0	< 200.0	< 1.0	< 1.0	< 1.0
Jet Fuel - A	--	< 1.0	< 1.0	< 1.0	--	< 1.0	< 50	< 1.0
Kerosene	--	< 1.0	< 1.0	< 1.0	--	< 1.0	< 50	< 1.0
Diesel	< 5.0	**16 ndp**	**28 ndp**	**2.7 ndp**	< 5.0	**3.4 ndp**	**1,300 ndp**	**14 ndp**
Motor Oil	--	**81**	**75**	< 50	--	< 50	**3800**	**85**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-33	MFC-33	MFC-34	MFC-34	MFC-34	MFC-34	MFC-35	MFC-35
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/26/02	3/26/02	3/26/02	3/26/02	3/25/02	3/25/02
ANALYTICAL METHOD	8015M	3550M	8015M	8015M	8015M	3550M	8015M	8015M
DEPTH [1]	5.0	5.5	1.5	3.0	5.5	6.0	1.0	2.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 200.0	< 1.0	< 1.0	< 1.0	< 200.0	< 1.0	**2.0 g**
Jet Fuel - A	< 1.0	--	< 1.0	< 1.0	< 1.0	--	< 1.0	< 10
Kerosene	< 1.0	--	< 1.0	< 1.0	< 1.0	--	< 1.0	< 10
Diesel	**2.1 ndp**	< 5.0	**13 ndp**	**36 ndp**	< 1.0	< 5.0	**45 ndp**	**200 ndp**
Motor Oil	< 50	--	**150**	**85**	< 50	--	**420**	**1200**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-35	MFC-35	MFC-36	MFC-36- DUP	MFC-36	MFC-37	MFC-37	MFC-37
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/28/02	3/28/02	3/28/02	3/25/02	3/25/02	3/25/02
ANALYTICAL METHOD	8015M	3550M	8015M	8015M	8015M	8015M	8015M	3550M
DEPTH [1]	5.0	5.5	1.5	1.5	4.5	1.5	4.5	5.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 2,000.0	< 1.0	< 1.0	< 1.0	< 1.0	**310 g**	< 2,000.0
Jet Fuel - A	< 1.0	--	< 1.0	< 1.0	< 10	< 1.0	< 50	--
Kerosene	< 1.0	--	< 1.0	< 1.0	< 10	< 1.0	< 50	--
Diesel	**57 ndp**	**1300**	**7.6 ndp**	**1.6 ndp**	**120 ndp**	**5.6 ndp**	**5,700 ndp**	**3800**
Motor Oil	< 50	--	< 50	< 50	**900**	< 50	< 2,500	--

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-38	MFC-38	MFC-38	MFC-38	MFC-39	MFC-40	MFC-40	MFC-40
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
ANALYTICAL METHOD	8015M	8015M	8015M	3550M	8015M	8015M	8015M	8015M
DEPTH [1]	1.0	2.5	5.0	5.5	1.5	1.5	3.0	4.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 1.0	< 1.0	< 200.0	< 1.0	< 1.0	< 1.0	< 1.0
Jet Fuel - A	< 1.0	< 1.0	< 1.0	--	< 1.0	< 1.0	< 1.0	< 1.0
Kerosene	< 1.0	< 1.0	< 1.0	--	< 1.0	< 1.0	< 1.0	< 1.0
Diesel	**14 ndp**	**7.8 ndp**	**18 ndp**	< 5.0	**4.7 ndp**	**7.3 ndp**	**5.3 ndp**	< 1.0
Motor Oil	**150**	**72**	< 50	--	**87**	**71**	< 50	< 50

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-40	MFC-41	MFC-41	MFC-41	MFC-41	MFC-43	MFC-43	MFC-44
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/28/02	3/28/02	3/26/02
ANALYTICAL METHOD	3550M	8015M	8015M	8015M	3550M	8015M	8015M	8015M
DEPTH [1]	5.0	1.5	2.5	4.0	4.5	1.5	4.5	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 200.0	< 1.0	< 1.0	< 1.0	< 200.0	< 1.0	< 1.0	< 1.0
Jet Fuel - A	--	< 1.0	< 1.0	< 1.0	--	< 1.0	< 1.0	< 1.0
Kerosene	--	< 1.0	< 1.0	< 1.0	--	< 1.0	< 1.0	< 1.0
Diesel	< 5.0	**18 ndp**	< 1.0	**1.9 ndp**	**12**	**110 ndp**	< 1.0	**2.0 ndp**
Motor Oil	--	**140**	< 50	< 50	--	**320**	< 50	< 50

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 2: SOIL CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-44	MFC-44	MFC-45	MFC-45	MFC-46	MFC-46	MFC-46
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/28/02	3/28/02	3/27/02	3/27/02	3/27/02
ANALYTICAL METHOD	8015M	3550M	8015M	8015M	8015M	8015M	3550M
DEPTH [1]	4.5	5.0	1.5	4.5	4.0	7.0	7.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Gasoline	< 1.0	< 200.0	< 1.0	< 1.0	< 1.0	< 1.0	< 200.0
Jet Fuel - A	< 10	--	< 1.0	< 1.0	< 1.0	< 1.0	--
Kerosene	< 10	--	< 1.0	< 1.0	< 1.0	< 1.0	--
Diesel	**54 ndp**	< 5.0	**6.2 ndp**	< 1.0	**46 ndp**	**34 ndp**	< 5.0
Motor Oil	**650**	--	< 50	< 50	**170**	**370**	--

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

g = Hydrocarbon does not match the pattern of laboratory gasoline standard

ndp = Hydrocarbon does not match the pattern of laboratory diesel standard.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

mg/kg = milligrams per kilogram

-- = Not Analyzed

TABLE 3: GROUNDWATER CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-02	MFC-03	MFC-04	MFC-05	MFC-06
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/28/02	3/27/02	3/27/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Gasoline	< 50	< 50	< 50	**180 g**	< 50	< 200.0
Jet A	< 50	< 50	< 70	< 170	< 50	< 50
Kerosene	< 50	< 50	< 70	< 170	< 50	< 50
Diesel	< 50	< 50	< 70	**380 ndp**	< 50	< 50
Motor Oil	< 500	< 500	< 700	< 1,700	< 500	< 500

Notes:

g = Hydrocarbon does not match the pattern of lab gasoline standard

ndp = Hydrocarbon does not match the pattern of lab diesel standard.

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

µg/L = micrograms per liter

-- = Not Analyzed

TABLE 3: GROUNDWATER CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-06	MFC-07	MFC-07	MFC-08	MFC-08	MFC-09
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/27/02	3/28/02	3/27/02	3/27/02	3/27/02	3/27/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Gasoline	< 200.0	--	< 200.0	< 200.0	< 200.0	< 200.0
Jet A	--	< 240	--	< 50	--	< 66
Kerosene	--	< 240	--	< 50	--	< 66
Diesel	<100.0	**260 ndp**	<100.0	< 50	<100.0	< 66
Motor Oil	--	< 2,400	--	< 500	--	< 660

Notes:

g = Hydrocarbon does not match the pattern of lab gasoline standard

ndp = Hydrocarbon does not match the pattern of lab diesel standard.

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

µg/L = micrograms per liter

-- = Not Analyzed

TABLE 3: GROUNDWATER CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-09	MFC-11	MFC-11	MFC-12	MFC-13	MFC-14
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/27/02	3/28/02	3/28/02	3/28/02	3/28/02	3/25/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Gasoline	< 200.0	< 200.0	< 200.0	**680**	< 50	**130 g**
Jet A	--	< 61	--	< 72	< 50	< 62
Kerosene	--	< 61	--	< 72	< 50	< 62
Diesel	<100.0	**120 ndp**	<100.0	**9,300 ndp**	**69 ndp**	< 62
Motor Oil	--	**1,600**	--	**990**	**510**	< 620

Notes:

g = Hydrocarbon does not match the pattern of lab gasoline standard

ndp = Hydrocarbon does not match the pattern of lab diesel standard.

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

µg/L = micrograms per liter

-- = Not Analyzed

TABLE 3: GROUNDWATER CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-15	MFC-17	MFC-18	MFC-19	MFC-20	MFC-23
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/26/02	3/27/02	3/25/02	3/25/02	3/28/02	3/28/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Gasoline	**540 g**	**110**	**1,000**	**1,200 g**	< 2,000.0	< 50
Jet A	< 50	< 50	< 2,900	< 500	--	< 50
Kerosene	< 50	< 50	< 2,900	< 500	--	< 50
Diesel	**160 ndp**	**6,700 ndp**	**160,000 ndp**	**140,000 ndp**	--	< 50
Motor Oil	< 500	**530**	< 29,000	**7,100**	--	< 500

Notes:

g = Hydrocarbon does not match the pattern of lab gasoline standard

ndp = Hydrocarbon does not match the pattern of lab diesel standard.

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

µg/L = micrograms per liter

-- = Not Analyzed

TABLE 3: GROUNDWATER CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-25	MFC-25	MFC-27	MFC-27	MFC-28	MFC-31
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/28/02	3/28/02	3/25/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Gasoline	--	< 200.0	--	< 200.0	< 50	**1,400 g**
Jet A	< 50	--	< 70	--	--	< 500
Kerosene	< 50	--	< 70	--	--	< 500
Diesel	**190 ndp**	<100.0	< 70	<100.0	--	**51,000 ndp**
Motor Oil	**1,800**	--	< 700	--	--	< 5,000

Notes:

g = Hydrocarbon does not match the pattern of lab gasoline standard

ndp = Hydrocarbon does not match the pattern of lab diesel standard.

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

µg/L = micrograms per liter

-- = Not Analyzed

TABLE 3: GROUNDWATER CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-31	MFC-31	MFC-33	MFC-33	MFC-34	MFC-35
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/28/02	3/28/02	3/25/02	3/25/02	3/28/02	3/25/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Gasoline	--	< 2,000.0	**4,600 g**	< 200.0	< 50	**1,900 g**
Jet A	< 10,000	--	--	--	< 100	< 570
Kerosene	< 10,000	--	--	--	< 100	< 570
Diesel	**600,000 ndp**	**16,000**	**25,000**	--	< 100	**35,000 ndp**
Motor Oil	< 100,000	--	--	--	< 1,000	< 5,700

Notes:

g = Hydrocarbon does not match the pattern of lab gasoline standard

ndp = Hydrocarbon does not match the pattern of lab diesel standard.

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

µg/L = micrograms per liter

-- = Not Analyzed

TABLE 3: GROUNDWATER CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-35	MFC-36	MFC-37	MFC-38	MFC-39	MFC-39
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/25/02	3/28/02	3/26/02	3/26/02	3/27/02	3/27/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Gasoline	< 200.0	**94 g**	< 200.0	< 200.0	--	< 200.0
Jet A	--	< 50	--	--	< 63	--
Kerosene	--	< 50	--	--	< 63	--
Diesel	**140,000**	**81 ndp**	**57,000**	<100.0	< 63	<100.0
Motor Oil	--	< 500	--	--	< 630	--

Notes:

g = Hydrocarbon does not match the pattern of lab gasoline standard

ndp = Hydrocarbon does not match the pattern of lab diesel standard.

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

µg/L = micrograms per liter

-- = Not Analyzed

TABLE 3: GROUNDWATER CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-40	MFC-40	MFC-41	MFC-41	MFC-44	MFC-44
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Gasoline	< 200.0	< 200.0	< 200.0	< 200.0	< 200.0	< 200.0
Jet A	< 50	--	< 59	--	< 59	--
Kerosene	< 50	--	< 59	--	< 59	--
Diesel	< 50	<100.0	< 59	<100.0	**70 ndp**	<100.0
Motor Oil	< 500	--	< 590	--	< 590	--

Notes:

g = Hydrocarbon does not match the pattern of lab gasoline standard

ndp = Hydrocarbon does not match the pattern of lab diesel standard.

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

µg/L = micrograms per liter

-- = Not Analyzed

TABLE 3: GROUNDWATER CHEMICAL TEST RESULTS - Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-45	MFC-45
MATRIX	GW	GW
COLLECTION DATE	3/28/02	3/28/02
UNITS	µg/L	µg/L
Gasoline	--	< 200.0
Jet A	< 63	--
Kerosene	< 63	--
Diesel	< 63	<100.0
Motor Oil	< 630	--

Notes:

g = Hydrocarbon does not match the pattern of lab gasoline standard

ndp = Hydrocarbon does not match the pattern of lab diesel standard.

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Total Petroleum Hydrocarbons (TPHs) in the gasoline, jet fuel-A, kerosene, diesel, and motor oil by EPA Method 8015M.

µg/L = micrograms per liter

-- = Not Analyzed

TABLE 4: SOIL GAS CHEMICAL TEST RESULTS - Fixed Gases and Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION		MFC-01	MFC-03	MFC-05	MFC-07	MFC-10	MFC-13	MFC-14	MFC-15
MATRIX		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE		3/27/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
DEPTH [1]		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	UNITS								
Carbon Dioxide	% v	**8.2**	**8.4**	**11**	**7.3**	**6.4**	**10**	**10**	**6.0**
Oxygen	% v	**2.5**	**4.1**	**6.0**	**11**	**8.4**	**1.3**	**0.91**	**9.4**
Nitrogen	% v	**92**	**89**	**82**	**83**	**88**	**85**	**65**	**63**
Methane	% v	**0.21**	**0.065**	**0.00070**	**0.00096**	<0.00044	**6.1**	**24**	**22**
Carbon Monoxide	% v	<0.0027	<0.0022	<0.0020	<0.0019	<0.0022	<0.0024	<0.0021	<0.0017
Gasoline	ppmv	**45**	<2.2	<2.0	<1.9	<2.2	**330**	**1,000**	**630**

Notes:
(1) Soil Gas samples collected at an average depth of 4.0 feet below ground surface (bgs).

Samples collected in Summa Canisters.

% v = percent by volume (1% = 10,000 ppmv)

ppmv = parts per million by volume

Samples were analyzed for Petroleum Hydrocarbons in the gasoline range by EPA Method 19 TO-3 and for carbon dioxide, oxygen, nitrogen, methane, and carbon monoxide by ASTM D1946.

TABLE 4: SOIL GAS CHEMICAL TEST RESULTS - Fixed Gases and Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION		MFC-16	MFC-17	MFC-18	MFC-19	MFC-23	MFC-28	MFC-29	MFC-31
MATRIX		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE		3/26/02	3/26/02	3/26/02	3/26/02	3/28/02	3/28/02	3/28/02	3/25/02
DEPTH [1]		4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	UNITS								
Carbon Dioxide	% v	**6.3**	**7.7**	**17**	**13**	**0.039**	**1.6**	**0.87**	**2.1**
Oxygen	% v	**6.5**	**0.89**	**0.35**	**2.1**	**22**	**3.0**	**3.3**	**12**
Nitrogen	% v	**50**	**15**	**19**	**17**	**80**	**39**	**17**	**55**
Methane	% v	**37**	**76**	**64**	**68**	**0.0013**	**56**	**78**	**38**
Carbon Monoxide	% v	<0.0030	<0.0022	<0.0020	<0.0021	<0.0027	<0.0021	<0.0029	<0.0043
Gasoline	ppmv	**28,000**	**340**	**910**	**810**	<2.7	**13**	**78**	**290**

Notes:
(1) Soil Gas samples collected at an average depth of 4.0 feet below ground surface (bgs).

Samples collected in Summa Canisters.

% v = percent by volume (1% = 10,000 ppmv)

ppmv = parts per million by volume

Samples were analyzed for Petroleum Hydrocarbons in the gasoline range by EPA Method 19 TO-3 and for carbon dioxide, oxygen, nitrogen, methane, and carbon monoxide by ASTM D1946.

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-01	MFC-01	MFC-02	MFC-02
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
DEPTH [1]	1.0	2.0	4.0	1.5	4.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	< 5.0	< 5.0	--	< 5.0
1,1,1-Trichloroethane	--	< 5.0	< 5.0	--	< 5.0
1,1,2,2-Tetrachloroethane	--	< 5.0	< 5.0	--	< 5.0
1,1,2-Trichloroethane	--	< 5.0	< 5.0	--	< 5.0
1,1-Dichloroethane	--	< 5.0	< 5.0	--	< 5.0
1,1-Dichloroethene	--	**8.1**	< 5.0	--	< 5.0
1,1-Dichloropropene	--	< 5.0	< 5.0	--	< 5.0
1,2,3-Trichlorobenzene	--	< 5.0	< 5.0	--	< 5.0
1,2,4-Trichlorobenzene	--	< 5.0	< 5.0	--	< 5.0
1,2,4-Trimethylbenzene	--	< 5.0	< 5.0	--	< 5.0
1,2-Dibromo-3-chloropropane	--	< 50	< 50	--	< 50
1,2-Dibromoethane	--	< 10	< 10	--	< 10
1,2-Dichlorobenzene	--	< 5.0	< 5.0	--	< 5.0
1,2-Dichloroethane	--	< 5.0	< 5.0	--	< 5.0
1,2-Dichloropropane	--	< 5.0	< 5.0	--	< 5.0
1,3,5-Trimethylbenzene	--	< 5.0	< 5.0	--	< 5.0
1,3-Dichlorobenzene	--	< 5.0	< 5.0	--	< 5.0
1,3-Dichloropropane	--	< 5.0	< 5.0	--	< 5.0
1,4-Dichlorobenzene	--	< 5.0	< 5.0	--	< 5.0
2,2-Dichloropropane	--	< 5.0	< 5.0	--	< 5.0
2-Butanone(MEK)	--	< 50	< 50	--	< 50
2-Chloroethylvinyl ether	--	< 50	< 50	--	< 50
2-Chlorotoluene	--	< 5.0	< 5.0	--	< 5.0
2-Hexanone	--	< 50	< 50	--	< 50
4-Chlorotoluene	--	< 5.0	< 5.0	--	< 5.0
4-Methyl-2-pentanone (MIBK)	--	< 50	< 50	--	< 50
Acetone	--	< 50	**210**	--	< 50
Benzene	< 0.0050	**7.6**	< 5.0	< 0.0050	< 5.0
Bromobenzene	--	< 5.0	< 5.0	--	< 5.0
Bromochloromethane	--	< 20	< 20	--	< 20
Bromodichloromethane	--	< 5.0	< 5.0	--	< 5.0
Bromoform	--	< 5.0	< 5.0	--	< 5.0
Bromomethane	--	< 10	< 10	--	< 10
Carbon disulfide	--	< 5.0	< 5.0	--	< 5.0
Carbon tetrachloride	--	< 5.0	< 5.0	--	< 5.0
Chlorobenzene	--	**7.8**	< 5.0	--	< 5.0
Chloroethane	--	< 10	< 10	--	< 10
Chloroform	--	< 5.0	< 5.0	--	< 5.0
Chloromethane	--	< 10	< 10	--	< 10
cis-1,2-Dichloroethene	--	< 5.0	< 5.0	--	< 5.0
cis-1,3-Dichloropropene	--	< 5.0	< 5.0	--	< 5.0
Dibromochloromethane	--	< 5.0	< 5.0	--	< 5.0
Dibromomethane	--	< 10	< 10	--	< 10
Dichlorodifluoromethane	--	< 10	< 10	--	< 10
di-Isopropyl Ether (DIPE)	--	--	--	--	--
Ethanol	--	--	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--
Ethylbenzene	< 0.0050	< 5.0	< 5.0	< 0.0050	< 5.0
Hexachlorobutadiene	--	< 5.0	< 5.0	--	< 5.0
Isopropylbenzene	--	< 5.0	< 5.0	--	< 5.0
Methylene chloride	--	< 5.0	< 5.0	--	< 5.0
MTBE	--	< 5.0	< 5.0	--	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-01	MFC-01	MFC-02	MFC-02
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
DEPTH [1]	1.0	2.0	4.0	1.5	4.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	< 10	< 10	--	< 10
n-Butylbenzene	--	< 5.0	< 5.0	--	< 5.0
n-Propylbenzene	--	< 5.0	< 5.0	--	< 5.0
p-Isopropyltoluene	--	< 5.0	< 5.0	--	< 5.0
sec-Butylbenzene	--	< 5.0	< 5.0	--	< 5.0
Styrene	--	< 5.0	< 5.0	--	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--
tert-Butylbenzene	--	< 5.0	< 5.0	--	< 5.0
Tertiary Butanol (TBA)	--	--	--	--	--
Tetrachloroethene	--	< 5.0	< 5.0	--	< 5.0
Toluene	< 0.0050	**8.2**	< 5.0	< 0.0050	< 5.0
trans-1,2-Dichloroethene	--	< 5.0	< 5.0	--	< 5.0
trans-1,3-Dichloropropene	--	< 5.0	< 5.0	--	< 5.0
Trichloroethene	--	**7.9**	< 5.0	--	< 5.0
Trichlorofluoromethane	--	< 5.0	< 5.0	--	< 5.0
Trichlorotrifluoroethane	--	< 5.0	< 5.0	--	< 5.0
Vinyl acetate	--	< 50	< 50	--	< 50
Vinyl chloride	--	< 5.0	< 5.0	--	< 5.0
Xylenes (Total)	< 0.0050	< 5.0	< 5.0	< 0.0050	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-02	MFC-03	MFC-03	MFC-03	MFC-04
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
DEPTH [1]	5.5	1.5	4.5	7.5	5.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1-Dichloropropene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	< 5.0	--	< 5.0	< 5.0	**19**
1,2-Dibromo-3-chloropropane	< 50	--	< 50	< 50	< 50
1,2-Dibromoethane	< 10	--	< 10	< 10	< 10
1,2-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	< 5.0	--	< 5.0	< 5.0	**5.7**
1,3-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,3-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
2-Butanone(MEK)	< 50	--	< 50	< 50	< 50
2-Chloroethylvinyl ether	< 50	--	< 50	< 50	< 50
2-Chlorotoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
2-Hexanone	< 50	--	< 50	< 50	< 50
4-Chlorotoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	--	< 50	< 50	< 50
Acetone	< 50	--	< 50	< 50	< 50
Benzene	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0
Bromobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Bromochloromethane	< 20	--	< 20	< 20	< 20
Bromodichloromethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	--	< 5.0	< 5.0	< 5.0
Bromomethane	< 10	--	< 10	< 10	< 10
Carbon disulfide	< 5.0	--	< 5.0	< 5.0	< 5.0
Carbon tetrachloride	< 5.0	--	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Chloroethane	< 10	--	< 10	< 10	< 10
Chloroform	< 5.0	--	< 5.0	< 5.0	< 5.0
Chloromethane	< 10	--	< 10	< 10	< 10
cis-1,2-Dichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	--	< 5.0	< 5.0	< 5.0
Dibromochloromethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Dibromomethane	< 10	--	< 10	< 10	< 10
Dichlorodifluoromethane	< 10	--	< 10	< 10	< 10
di-Isopropyl Ether (DIPE)	--	--	--	--	--
Ethanol	--	--	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--
Ethylbenzene	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	< 5.0	--	< 5.0	< 5.0	< 5.0
Isopropylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Methylene chloride	< 5.0	--	< 5.0	< 5.0	< 5.0
MTBE	< 5.0	--	< 5.0	< 5.0	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-02	MFC-03	MFC-03	MFC-03	MFC-04
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
DEPTH [1]	5.5	1.5	4.5	7.5	5.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	--	< 10	< 10	**3,500**
n-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
n-Propylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
sec-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Styrene	< 5.0	--	< 5.0	< 5.0	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--
tert-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Tertiary Butanol (TBA)	--	--	--	--	--
Tetrachloroethene	< 5.0	--	< 5.0	< 5.0	**11**
Toluene	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	--	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Vinyl acetate	< 50	--	< 50	< 50	< 50
Vinyl chloride	< 5.0	--	< 5.0	< 5.0	< 5.0
Xylenes (Total)	< 5.0	< 0.0050	< 5.0	< 5.0	**9.8**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-04	MFC-04	MFC-05	MFC-05	MFC-05
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	8.5	11.0	5.0	8.0	11.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	< 5.0	--	< 5.0	< 5.0
1,1,1-Trichloroethane	< 5.0	< 5.0	--	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	--	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	--	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	--	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	--	< 5.0	< 5.0
1,1-Dichloropropene	< 5.0	< 5.0	--	< 5.0	< 5.0
1,2,3-Trichlorobenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
1,2,4-Trichlorobenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
1,2,4-Trimethylbenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	< 50	< 50	--	< 50	< 50
1,2-Dibromoethane	< 10	< 10	--	< 10	< 10
1,2-Dichlorobenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	--	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	--	< 5.0	< 5.0
1,3,5-Trimethylbenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
1,3-Dichlorobenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
1,3-Dichloropropane	< 5.0	< 5.0	--	< 5.0	< 5.0
1,4-Dichlorobenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
2,2-Dichloropropane	< 5.0	< 5.0	--	< 5.0	< 5.0
2-Butanone(MEK)	< 50	< 50	--	< 50	< 50
2-Chloroethylvinyl ether	< 50	< 50	--	< 50	< 50
2-Chlorotoluene	< 5.0	< 5.0	--	< 5.0	< 5.0
2-Hexanone	< 50	< 50	--	< 50	< 50
4-Chlorotoluene	< 5.0	< 5.0	--	< 5.0	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	< 50	--	< 50	< 50
Acetone	< 50	< 50	--	< 50	< 50
Benzene	< 5.0	< 5.0	< 0.0050	< 5.0	< 5.0
Bromobenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
Bromochloromethane	< 20	< 20	--	< 20	< 20
Bromodichloromethane	< 5.0	< 5.0	--	< 5.0	< 5.0
Bromoform	< 5.0	< 5.0	--	< 5.0	< 5.0
Bromomethane	< 10	< 10	--	< 10	< 10
Carbon disulfide	< 5.0	< 5.0	--	< 5.0	< 5.0
Carbon tetrachloride	< 5.0	< 5.0	--	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
Chloroethane	< 10	< 10	--	< 10	< 10
Chloroform	< 5.0	< 5.0	--	< 5.0	< 5.0
Chloromethane	< 10	< 10	--	< 10	< 10
cis-1,2-Dichloroethene	< 5.0	< 5.0	--	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	--	< 5.0	< 5.0
Dibromochloromethane	< 5.0	< 5.0	--	< 5.0	< 5.0
Dibromomethane	< 10	< 10	--	< 10	< 10
Dichlorodifluoromethane	< 10	< 10	--	< 10	< 10
di-Isopropyl Ether (DIPE)	--	--	--	--	--
Ethanol	--	--	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--
Ethylbenzene	< 5.0	< 5.0	< 0.0050	< 5.0	< 5.0
Hexachlorobutadiene	< 5.0	< 5.0	--	< 5.0	< 5.0
Isopropylbenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
Methylene chloride	< 5.0	< 5.0	--	< 5.0	< 5.0
MTBE	< 5.0	< 5.0	--	< 5.0	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-04	MFC-04	MFC-05	MFC-05	MFC-05
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	8.5	11.0	5.0	8.0	11.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	< 10	--	< 10	< 10
n-Butylbenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
n-Propylbenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
p-Isopropyltoluene	< 5.0	< 5.0	--	< 5.0	< 5.0
sec-Butylbenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
Styrene	< 5.0	< 5.0	--	< 5.0	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--
tert-Butylbenzene	< 5.0	< 5.0	--	< 5.0	< 5.0
Tertiary Butanol (TBA)	--	--	--	--	--
Tetrachloroethene	< 5.0	< 5.0	--	< 5.0	< 5.0
Toluene	< 5.0	< 5.0	< 0.0050	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	--	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	--	< 5.0	< 5.0
Trichloroethene	< 5.0	< 5.0	--	< 5.0	< 5.0
Trichlorofluoromethane	< 5.0	< 5.0	--	< 5.0	< 5.0
Trichlorotrifluoroethane	< 5.0	< 5.0	--	< 5.0	< 5.0
Vinyl acetate	< 50	< 50	--	< 50	< 50
Vinyl chloride	< 5.0	< 5.0	--	< 5.0	< 5.0
Xylenes (Total)	< 5.0	< 5.0	< 0.0050	< 5.0	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-06	MFC-06	MFC-06	MFC-07	MFC-07
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	5.0	8.5	9.0	3.0	5.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	< 5.0	--	--	< 5.0
1,1,1-Trichloroethane	--	< 5.0	< 1.0	--	< 5.0
1,1,2,2-Tetrachloroethane	--	< 5.0	< 1.0	--	< 5.0
1,1,2-Trichloroethane	--	< 5.0	< 1.0	--	< 5.0
1,1-Dichloroethane	--	< 5.0	< 1.0	--	< 5.0
1,1-Dichloroethene	--	< 5.0	< 1.0	--	< 5.0
1,1-Dichloropropene	--	< 5.0	--	--	< 5.0
1,2,3-Trichlorobenzene	--	< 5.0	--	--	< 5.0
1,2,4-Trichlorobenzene	--	< 5.0	--	--	< 5.0
1,2,4-Trimethylbenzene	--	< 5.0	--	--	< 5.0
1,2-Dibromo-3-chloropropane	--	< 50	--	--	< 50
1,2-Dibromoethane	--	< 10	--	--	< 10
1,2-Dichlorobenzene	--	< 5.0	--	--	< 5.0
1,2-Dichloroethane	--	< 5.0	< 2.0	--	< 5.0
1,2-Dichloropropane	--	< 5.0	< 2.0	--	< 5.0
1,3,5-Trimethylbenzene	--	< 5.0	--	--	< 5.0
1,3-Dichlorobenzene	--	< 5.0	--	--	< 5.0
1,3-Dichloropropane	--	< 5.0	--	--	< 5.0
1,4-Dichlorobenzene	--	< 5.0	--	--	< 5.0
2,2-Dichloropropane	--	< 5.0	--	--	< 5.0
2-Butanone(MEK)	--	< 50	< 10.0	--	< 50
2-Chloroethylvinyl ether	--	< 50	--	--	< 50
2-Chlorotoluene	--	< 5.0	--	--	< 5.0
2-Hexanone	--	< 50	< 2.0	--	< 50
4-Chlorotoluene	--	< 5.0	--	--	< 5.0
4-Methyl-2-pentanone (MIBK)	--	< 50	< 2.0	--	< 50
Acetone	--	< 50	< 5.0	--	< 50
Benzene	< 0.0050	< 5.0	< 1.0	< 0.0050	< 5.0
Bromobenzene	--	< 5.0	--	--	< 5.0
Bromochloromethane	--	< 20	--	--	< 20
Bromodichloromethane	--	< 5.0	< 1.0	--	< 5.0
Bromoform	--	< 5.0	< 1.0	--	< 5.0
Bromomethane	--	< 10	< 2.0	--	< 10
Carbon disulfide	--	< 5.0	< 1.0	--	< 5.0
Carbon tetrachloride	--	< 5.0	< 1.0	--	< 5.0
Chlorobenzene	--	< 5.0	< 1.0	--	< 5.0
Chloroethane	--	< 10	< 2.0	--	< 10
Chloroform	--	< 5.0	< 2.0	--	< 5.0
Chloromethane	--	< 10	< 2.0	--	< 10
cis-1,2-Dichloroethene	--	< 5.0	< 1.0	--	< 5.0
cis-1,3-Dichloropropene	--	< 5.0	< 1.0	--	< 5.0
Dibromochloromethane	--	< 5.0	< 1.0	--	< 5.0
Dibromomethane	--	< 10	--	--	< 10
Dichlorodifluoromethane	--	< 10	--	--	< 10
di-Isopropyl Ether (DIPE)	--	--	< 2.0	--	--
Ethanol	--	--	< 200.0	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	< 2.0	--	--
Ethylbenzene	< 0.0050	< 5.0	< 1.0	< 0.0050	< 5.0
Hexachlorobutadiene	--	< 5.0	--	--	< 5.0
Isopropylbenzene	--	< 5.0	--	--	< 5.0
Methylene chloride	--	< 5.0	--	--	< 5.0
MTBE	--	< 5.0	< 1.0	--	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-06	MFC-06	MFC-06	MFC-07	MFC-07
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	5.0	8.5	9.0	3.0	5.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	< 10	--	--	< 10
n-Butylbenzene	--	< 5.0	--	--	< 5.0
n-Propylbenzene	--	< 5.0	< 2.0	--	< 5.0
p-Isopropyltoluene	--	< 5.0	--	--	< 5.0
sec-Butylbenzene	--	< 5.0	--	--	< 5.0
Styrene	--	< 5.0	< 1.0	--	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	< 2.0	--	--
tert-Butylbenzene	--	< 5.0	--	--	< 5.0
Tertiary Butanol (TBA)	--	--	< 50.0	--	--
Tetrachloroethene	--	< 5.0	< 1.0	--	< 5.0
Toluene	< 0.0050	< 5.0	< 1.0	< 0.0050	< 5.0
trans-1,2-Dichloroethene	--	< 5.0	< 1.0	--	< 5.0
trans-1,3-Dichloropropene	--	< 5.0	< 1.0	--	< 5.0
Trichloroethene	--	< 5.0	< 1.0	--	< 5.0
Trichlorofluoromethane	--	< 5.0	--	--	< 5.0
Trichlorotrifluoroethane	--	< 5.0	--	--	< 5.0
Vinyl acetate	--	< 50	< 5.0	--	< 50
Vinyl chloride	--	< 5.0	< 3.0	--	< 5.0
Xylenes (Total)	< 0.0050	< 5.0	< 2.0	< 0.0050	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-07	MFC-07	MFC-07	MFC-08	MFC-08
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	5.5	8.5	9.0	2.0	5.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	< 5.0	--	--	< 5.0
1,1,1-Trichloroethane	< 1.0	< 5.0	< 1.0	--	< 5.0
1,1,2,2-Tetrachloroethane	< 1.0	< 5.0	< 1.0	--	< 5.0
1,1,2-Trichloroethane	< 1.0	< 5.0	< 1.0	--	< 5.0
1,1-Dichloroethane	< 1.0	< 5.0	< 1.0	--	< 5.0
1,1-Dichloroethene	< 1.0	< 5.0	< 1.0	--	< 5.0
1,1-Dichloropropene	--	< 5.0	--	--	< 5.0
1,2,3-Trichlorobenzene	--	< 5.0	--	--	< 5.0
1,2,4-Trichlorobenzene	--	< 5.0	--	--	< 5.0
1,2,4-Trimethylbenzene	--	< 5.0	--	--	< 5.0
1,2-Dibromo-3-chloropropane	--	< 50	--	--	< 50
1,2-Dibromoethane	--	< 10	--	--	< 10
1,2-Dichlorobenzene	--	< 5.0	--	--	< 5.0
1,2-Dichloroethane	< 2.0	< 5.0	< 2.0	--	< 5.0
1,2-Dichloropropane	< 2.0	< 5.0	< 2.0	--	< 5.0
1,3,5-Trimethylbenzene	--	< 5.0	--	--	< 5.0
1,3-Dichlorobenzene	--	< 5.0	--	--	< 5.0
1,3-Dichloropropane	--	< 5.0	--	--	< 5.0
1,4-Dichlorobenzene	--	< 5.0	--	--	< 5.0
2,2-Dichloropropane	--	< 5.0	--	--	< 5.0
2-Butanone(MEK)	< 10.0	< 50	< 10.0	--	< 50
2-Chloroethylvinyl ether	--	< 50	--	--	< 50
2-Chlorotoluene	--	< 5.0	--	--	< 5.0
2-Hexanone	< 2.0	< 50	< 2.0	--	< 50
4-Chlorotoluene	--	< 5.0	--	--	< 5.0
4-Methyl-2-pentanone (MIBK)	< 2.0	< 50	< 2.0	--	< 50
Acetone	< 5.0	< 50	< 5.0	--	< 50
Benzene	< 1.0	< 5.0	< 1.0	< 0.0050	< 5.0
Bromobenzene	--	< 5.0	--	--	< 5.0
Bromochloromethane	--	< 20	--	--	< 20
Bromodichloromethane	< 1.0	< 5.0	< 1.0	--	< 5.0
Bromoform	< 1.0	< 5.0	< 1.0	--	< 5.0
Bromomethane	< 2.0	< 10	< 2.0	--	< 10
Carbon disulfide	< 1.0	< 5.0	< 1.0	--	< 5.0
Carbon tetrachloride	< 1.0	< 5.0	< 1.0	--	< 5.0
Chlorobenzene	< 1.0	< 5.0	< 1.0	--	< 5.0
Chloroethane	< 2.0	< 10	< 2.0	--	< 10
Chloroform	< 2.0	< 5.0	< 2.0	--	< 5.0
Chloromethane	< 2.0	< 10	< 2.0	--	< 10
cis-1,2-Dichloroethene	< 1.0	< 5.0	< 1.0	--	< 5.0
cis-1,3-Dichloropropene	< 1.0	< 5.0	< 1.0	--	< 5.0
Dibromochloromethane	< 1.0	< 5.0	< 1.0	--	< 5.0
Dibromomethane	--	< 10	--	--	< 10
Dichlorodifluoromethane	--	< 10	--	--	< 10
di-Isopropyl Ether (DIPE)	< 2.0	--	< 2.0	--	--
Ethanol	< 200.0	--	< 200.0	--	--
Ethyl tert-Butyl Ether (ETBE)	< 2.0	--	< 2.0	--	--
Ethylbenzene	< 1.0	< 5.0	< 1.0	< 0.0050	< 5.0
Hexachlorobutadiene	--	< 5.0	--	--	< 5.0
Isopropylbenzene	--	< 5.0	--	--	< 5.0
Methylene chloride	--	< 5.0	--	--	< 5.0
MTBE	< 1.0	< 5.0	< 1.0	--	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-07	MFC-07	MFC-07	MFC-08	MFC-08
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	5.5	8.5	9.0	2.0	5.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	< 10	--	--	< 10
n-Butylbenzene	--	< 5.0	--	--	< 5.0
n-Propylbenzene	< 2.0	< 5.0	< 2.0	--	< 5.0
p-Isopropyltoluene	--	< 5.0	--	--	< 5.0
sec-Butylbenzene	--	< 5.0	--	--	< 5.0
Styrene	< 1.0	< 5.0	< 1.0	--	< 5.0
tert-Amyl Ethyl Ether (TAME)	< 2.0	--	< 2.0	--	--
tert-Butylbenzene	--	< 5.0	--	--	< 5.0
Tertiary Butanol (TBA)	< 50.0	--	< 50.0	--	--
Tetrachloroethene	< 1.0	< 5.0	< 1.0	--	< 5.0
Toluene	**1.2**	< 5.0	< 1.0	< 0.0050	< 5.0
trans-1,2-Dichloroethene	< 1.0	< 5.0	< 1.0	--	< 5.0
trans-1,3-Dichloropropene	< 1.0	< 5.0	< 1.0	--	< 5.0
Trichloroethene	< 1.0	< 5.0	< 1.0	--	< 5.0
Trichlorofluoromethane	--	< 5.0	--	--	< 5.0
Trichlorotrifluoroethane	--	< 5.0	--	--	< 5.0
Vinyl acetate	< 5.0	< 50	< 5.0	--	< 50
Vinyl chloride	< 3.0	< 5.0	< 3.0	--	< 5.0
Xylenes (Total)	< 2.0	< 5.0	< 2.0	< 0.0050	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-08	MFC-08	MFC-09	MFC-09	MFC-09
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	5.5	8.0	2.0	5.0	5.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	--	--	< 5.0	--
1,1,1-Trichloroethane	< 1.0	< 1.0	--	< 5.0	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	--	< 5.0	< 1.0
1,1,2-Trichloroethane	< 1.0	< 1.0	--	< 5.0	< 1.0
1,1-Dichloroethane	< 1.0	< 1.0	--	< 5.0	< 1.0
1,1-Dichloroethene	< 1.0	< 1.0	--	< 5.0	< 1.0
1,1-Dichloropropene	--	--	--	< 5.0	--
1,2,3-Trichlorobenzene	--	--	--	< 5.0	--
1,2,4-Trichlorobenzene	--	--	--	< 5.0	--
1,2,4-Trimethylbenzene	--	--	--	< 5.0	--
1,2-Dibromo-3-chloropropane	--	--	--	< 50	--
1,2-Dibromoethane	--	--	--	< 10	--
1,2-Dichlorobenzene	--	--	--	< 5.0	--
1,2-Dichloroethane	< 2.0	< 2.0	--	< 5.0	< 2.0
1,2-Dichloropropane	< 2.0	< 2.0	--	< 5.0	< 2.0
1,3,5-Trimethylbenzene	--	--	--	< 5.0	--
1,3-Dichlorobenzene	--	--	--	< 5.0	--
1,3-Dichloropropane	--	--	--	< 5.0	--
1,4-Dichlorobenzene	--	--	--	< 5.0	--
2,2-Dichloropropane	--	--	--	< 5.0	--
2-Butanone(MEK)	< 10.0	< 10.0	--	< 50	< 10.0
2-Chloroethylvinyl ether	--	--	--	< 50	--
2-Chlorotoluene	--	--	--	< 5.0	--
2-Hexanone	< 2.0	< 2.0	--	< 50	< 2.0
4-Chlorotoluene	--	--	--	< 5.0	--
4-Methyl-2-pentanone (MIBK)	< 2.0	< 2.0	--	< 50	< 2.0
Acetone	< 5.0	< 5.0	--	< 50	< 5.0
Benzene	< 1.0	< 1.0	< 0.0050	< 5.0	< 1.0
Bromobenzene	--	--	--	< 5.0	--
Bromochloromethane	--	--	--	< 20	--
Bromodichloromethane	< 1.0	< 1.0	--	< 5.0	< 1.0
Bromoform	< 1.0	< 1.0	--	< 5.0	< 1.0
Bromomethane	< 2.0	< 2.0	--	< 10	< 2.0
Carbon disulfide	< 1.0	< 1.0	--	< 5.0	< 1.0
Carbon tetrachloride	< 1.0	< 1.0	--	< 5.0	< 1.0
Chlorobenzene	< 1.0	< 1.0	--	< 5.0	< 1.0
Chloroethane	< 2.0	< 2.0	--	< 10	< 2.0
Chloroform	< 2.0	< 2.0	--	< 5.0	< 2.0
Chloromethane	< 2.0	< 2.0	--	< 10	< 2.0
cis-1,2-Dichloroethene	< 1.0	< 1.0	--	< 5.0	< 1.0
cis-1,3-Dichloropropene	< 1.0	< 1.0	--	< 5.0	< 1.0
Dibromochloromethane	< 1.0	< 1.0	--	< 5.0	< 1.0
Dibromomethane	--	--	--	< 10	--
Dichlorodifluoromethane	--	--	--	< 10	--
di-Isopropyl Ether (DIPE)	< 2.0	< 2.0	--	--	< 2.0
Ethanol	< 200.0	< 200.0	--	--	< 200.0
Ethyl tert-Butyl Ether (ETBE)	< 2.0	< 2.0	--	--	< 2.0
Ethylbenzene	< 1.0	< 1.0	< 0.0050	< 5.0	< 1.0
Hexachlorobutadiene	--	--	--	< 5.0	--
Isopropylbenzene	--	--	--	< 5.0	--
Methylene chloride	--	--	--	< 5.0	--
MTBE	< 1.0	< 1.0	--	< 5.0	< 1.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-08	MFC-08	MFC-09	MFC-09	MFC-09
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	5.5	8.0	2.0	5.0	5.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	--	--	< 10	--
n-Butylbenzene	--	--	--	< 5.0	--
n-Propylbenzene	< 2.0	< 2.0	--	< 5.0	< 2.0
p-Isopropyltoluene	--	--	--	< 5.0	--
sec-Butylbenzene	--	--	--	< 5.0	--
Styrene	< 1.0	< 1.0	--	< 5.0	< 1.0
tert-Amyl Ethyl Ether (TAME)	< 2.0	< 2.0	--	--	< 2.0
tert-Butylbenzene	--	--	--	< 5.0	--
Tertiary Butanol (TBA)	< 50.0	< 50.0	--	--	< 50.0
Tetrachloroethene	< 1.0	< 1.0	--	< 5.0	< 1.0
Toluene	< 1.0	< 1.0	< 0.0050	< 5.0	< 1.0
trans-1,2-Dichloroethene	< 1.0	< 1.0	--	< 5.0	< 1.0
trans-1,3-Dichloropropene	< 1.0	< 1.0	--	< 5.0	< 1.0
Trichloroethene	< 1.0	< 1.0	--	< 5.0	< 1.0
Trichlorofluoromethane	--	--	--	< 5.0	--
Trichlorotrifluoroethane	--	--	--	< 5.0	--
Vinyl acetate	< 5.0	< 5.0	--	< 50	< 5.0
Vinyl chloride	< 3.0	< 3.0	--	< 5.0	< 3.0
Xylenes (Total)	< 2.0	< 2.0	< 0.0050	< 5.0	< 2.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-10	MFC-10	MFC-11	MFC-11	MFC-12
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
DEPTH [1]	1.5	5.0	1.5	4.0	1.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	< 5.0	--	< 5.0	--
1,1,1-Trichloroethane	--	< 5.0	--	< 5.0	--
1,1,2,2-Tetrachloroethane	--	< 5.0	--	< 5.0	--
1,1,2-Trichloroethane	--	< 5.0	--	< 5.0	--
1,1-Dichloroethane	--	< 5.0	--	< 5.0	--
1,1-Dichloroethene	--	< 5.0	--	< 5.0	--
1,1-Dichloropropene	--	< 5.0	--	< 5.0	--
1,2,3-Trichlorobenzene	--	< 5.0	--	< 5.0	--
1,2,4-Trichlorobenzene	--	< 5.0	--	< 5.0	--
1,2,4-Trimethylbenzene	--	< 5.0	--	< 5.0	--
1,2-Dibromo-3-chloropropane	--	< 50	--	< 50	--
1,2-Dibromoethane	--	< 10	--	< 10	--
1,2-Dichlorobenzene	--	< 5.0	--	< 5.0	--
1,2-Dichloroethane	--	< 5.0	--	< 5.0	--
1,2-Dichloropropane	--	< 5.0	--	< 5.0	--
1,3,5-Trimethylbenzene	--	< 5.0	--	< 5.0	--
1,3-Dichlorobenzene	--	< 5.0	--	< 5.0	--
1,3-Dichloropropane	--	< 5.0	--	< 5.0	--
1,4-Dichlorobenzene	--	< 5.0	--	< 5.0	--
2,2-Dichloropropane	--	< 5.0	--	< 5.0	--
2-Butanone(MEK)	--	< 50	--	< 50	--
2-Chloroethylvinyl ether	--	< 50	--	< 50	--
2-Chlorotoluene	--	< 5.0	--	< 5.0	--
2-Hexanone	--	< 50	--	< 50	--
4-Chlorotoluene	--	< 5.0	--	< 5.0	--
4-Methyl-2-pentanone (MIBK)	--	< 50	--	< 50	--
Acetone	--	< 50	--	< 50	--
Benzene	< 0.0050	< 5.0	< 0.0050	< 5.0	< 0.0050
Bromobenzene	--	< 5.0	--	< 5.0	--
Bromochloromethane	--	< 20	--	< 20	--
Bromodichloromethane	--	< 5.0	--	< 5.0	--
Bromoform	--	< 5.0	--	< 5.0	--
Bromomethane	--	< 10	--	< 10	--
Carbon disulfide	--	< 5.0	--	< 5.0	--
Carbon tetrachloride	--	< 5.0	--	< 5.0	--
Chlorobenzene	--	< 5.0	--	< 5.0	--
Chloroethane	--	< 10	--	< 10	--
Chloroform	--	< 5.0	--	< 5.0	--
Chloromethane	--	< 10	--	< 10	--
cis-1,2-Dichloroethene	--	< 5.0	--	< 5.0	--
cis-1,3-Dichloropropene	--	< 5.0	--	< 5.0	--
Dibromochloromethane	--	< 5.0	--	< 5.0	--
Dibromomethane	--	< 10	--	< 10	--
Dichlorodifluoromethane	--	< 10	--	< 10	--
di-Isopropyl Ether (DIPE)	--	--	--	--	--
Ethanol	--	--	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--
Ethylbenzene	< 0.0050	< 5.0	< 0.0050	< 5.0	< 0.0050
Hexachlorobutadiene	--	< 5.0	--	< 5.0	--
Isopropylbenzene	--	< 5.0	--	< 5.0	--
Methylene chloride	--	< 5.0	--	< 5.0	--
MTBE	--	< 5.0	--	< 5.0	--

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-10	MFC-10	MFC-11	MFC-11	MFC-12
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
DEPTH [1]	1.5	5.0	1.5	4.0	1.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	< 10	--	< 10	--
n-Butylbenzene	--	< 5.0	--	< 5.0	--
n-Propylbenzene	--	< 5.0	--	< 5.0	--
p-Isopropyltoluene	--	< 5.0	--	< 5.0	--
sec-Butylbenzene	--	< 5.0	--	< 5.0	--
Styrene	--	< 5.0	--	< 5.0	--
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--
tert-Butylbenzene	--	< 5.0	--	< 5.0	--
Tertiary Butanol (TBA)	--	--	--	--	--
Tetrachloroethene	--	< 5.0	--	< 5.0	--
Toluene	< 0.0050	< 5.0	< 0.0050	< 5.0	< 0.0050
trans-1,2-Dichloroethene	--	< 5.0	--	< 5.0	--
trans-1,3-Dichloropropene	--	< 5.0	--	< 5.0	--
Trichloroethene	--	< 5.0	--	< 5.0	--
Trichlorofluoromethane	--	< 5.0	--	< 5.0	--
Trichlorotrifluoroethane	--	< 5.0	--	< 5.0	--
Vinyl acetate	--	< 50	--	< 50	--
Vinyl chloride	--	< 5.0	--	< 5.0	--
Xylenes (Total)	< 0.0050	< 5.0	< 0.0050	< 5.0	< 0.0050

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-12	MFC-13	MFC-13	MFC-14	MFC-14
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/25/02	3/25/02
DEPTH [1]	4.0	1.5	3.0	1.5	3.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	--	< 5.0	--	< 5.0
1,1,1-Trichloroethane	< 5.0	--	< 5.0	--	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	--	< 5.0	--	< 5.0
1,1,2-Trichloroethane	< 5.0	--	< 5.0	--	< 5.0
1,1-Dichloroethane	< 5.0	--	< 5.0	--	< 5.0
1,1-Dichloroethene	< 5.0	--	< 5.0	--	< 5.0
1,1-Dichloropropene	< 5.0	--	< 5.0	--	< 5.0
1,2,3-Trichlorobenzene	< 5.0	--	< 5.0	--	< 5.0
1,2,4-Trichlorobenzene	< 5.0	--	< 5.0	--	< 5.0
1,2,4-Trimethylbenzene	< 5.0	--	< 5.0	--	< 5.0
1,2-Dibromo-3-chloropropane	< 50	--	< 50	--	< 50
1,2-Dibromoethane	< 10	--	< 10	--	< 10
1,2-Dichlorobenzene	< 5.0	--	< 5.0	--	< 5.0
1,2-Dichloroethane	< 5.0	--	< 5.0	--	< 5.0
1,2-Dichloropropane	< 5.0	--	< 5.0	--	< 5.0
1,3,5-Trimethylbenzene	< 5.0	--	< 5.0	--	< 5.0
1,3-Dichlorobenzene	< 5.0	--	< 5.0	--	< 5.0
1,3-Dichloropropane	< 5.0	--	< 5.0	--	< 5.0
1,4-Dichlorobenzene	< 5.0	--	< 5.0	--	< 5.0
2,2-Dichloropropane	< 5.0	--	< 5.0	--	< 5.0
2-Butanone(MEK)	< 50	--	< 50	--	< 50
2-Chloroethylvinyl ether	< 50	--	< 50	--	< 50
2-Chlorotoluene	< 5.0	--	< 5.0	--	< 5.0
2-Hexanone	< 50	--	< 50	--	< 50
4-Chlorotoluene	< 5.0	--	< 5.0	--	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	--	< 50	--	< 50
Acetone	< 50	--	< 50	--	< 50
Benzene	< 5.0	< 0.0050	< 5.0	< 0.0050	< 5.0
Bromobenzene	< 5.0	--	< 5.0	--	< 5.0
Bromochloromethane	< 20	--	< 20	--	< 20
Bromodichloromethane	< 5.0	--	< 5.0	--	< 5.0
Bromoform	< 5.0	--	< 5.0	--	< 5.0
Bromomethane	< 10	--	< 10	--	< 10
Carbon disulfide	< 5.0	--	< 5.0	--	< 5.0
Carbon tetrachloride	< 5.0	--	< 5.0	--	< 5.0
Chlorobenzene	< 5.0	--	< 5.0	--	< 5.0
Chloroethane	< 10	--	< 10	--	< 10
Chloroform	< 5.0	--	< 5.0	--	< 5.0
Chloromethane	< 10	--	< 10	--	< 10
cis-1,2-Dichloroethene	< 5.0	--	< 5.0	--	< 5.0
cis-1,3-Dichloropropene	< 5.0	--	< 5.0	--	< 5.0
Dibromochloromethane	< 5.0	--	< 5.0	--	< 5.0
Dibromomethane	< 10	--	< 10	--	< 10
Dichlorodifluoromethane	< 10	--	< 10	--	< 10
di-Isopropyl Ether (DIPE)	--	--	--	--	--
Ethanol	--	--	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--
Ethylbenzene	< 5.0	< 0.0050	< 5.0	< 0.0050	< 5.0
Hexachlorobutadiene	< 5.0	--	< 5.0	--	< 5.0
Isopropylbenzene	< 5.0	--	< 5.0	--	< 5.0
Methylene chloride	< 5.0	--	< 5.0	--	< 5.0
MTBE	< 5.0	--	< 5.0	--	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-12	MFC-13	MFC-13	MFC-14	MFC-14
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/25/02	3/25/02
DEPTH [1]	4.0	1.5	3.0	1.5	3.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	**15**	--	< 10	--	< 5.0
n-Butylbenzene	< 5.0	--	< 5.0	--	< 5.0
n-Propylbenzene	< 5.0	--	< 5.0	--	< 10
p-Isopropyltoluene	< 5.0	--	< 5.0	--	< 5.0
sec-Butylbenzene	< 5.0	--	< 5.0	--	< 5.0
Styrene	< 5.0	--	< 5.0	--	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--
tert-Butylbenzene	< 5.0	--	< 5.0	--	< 5.0
Tertiary Butanol (TBA)	--	--	--	--	--
Tetrachloroethene	< 5.0	--	< 5.0	--	< 5.0
Toluene	< 5.0	< 0.0050	< 5.0	< 0.0050	< 5.0
trans-1,2-Dichloroethene	< 5.0	--	< 5.0	--	< 5.0
trans-1,3-Dichloropropene	< 5.0	--	< 5.0	--	< 5.0
Trichloroethene	< 5.0	--	< 5.0	--	< 5.0
Trichlorofluoromethane	< 5.0	--	< 5.0	--	< 5.0
Trichlorotrifluoroethane	< 5.0	--	< 5.0	--	< 5.0
Vinyl acetate	< 50	--	< 50	--	< 50
Vinyl chloride	< 5.0	--	< 5.0	--	< 5.0
Xylenes (Total)	< 5.0	< 0.0050	< 5.0	< 0.0050	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-14	MFC-15	MFC-15	MFC-15	MFC-15-DUP
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02
DEPTH [1]	4.0	1.5	3.0	4.5	4.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1-Dichloropropene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	< 50	--	< 50	< 50	< 50
1,2-Dibromoethane	< 10	--	< 10	< 10	< 10
1,2-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,3-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
2-Butanone(MEK)	< 50	--	< 50	< 50	< 50
2-Chloroethylvinyl ether	< 50	--	< 50	< 50	< 50
2-Chlorotoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
2-Hexanone	< 50	--	< 50	< 50	< 50
4-Chlorotoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	--	< 50	< 50	< 50
Acetone	< 50	--	< 50	< 50	< 50
Benzene	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0
Bromobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Bromochloromethane	< 20	--	< 20	< 20	< 20
Bromodichloromethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	--	< 5.0	< 5.0	< 5.0
Bromomethane	< 10	--	< 10	< 10	< 10
Carbon disulfide	< 5.0	--	< 5.0	< 5.0	< 5.0
Carbon tetrachloride	< 5.0	--	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Chloroethane	< 10	--	< 10	< 10	< 10
Chloroform	< 5.0	--	< 5.0	< 5.0	< 5.0
Chloromethane	< 10	--	< 10	< 10	< 10
cis-1,2-Dichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	--	< 5.0	< 5.0	< 5.0
Dibromochloromethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Dibromomethane	< 10	--	< 10	< 10	< 10
Dichlorodifluoromethane	< 10	--	< 10	< 10	< 10
di-Isopropyl Ether (DIPE)	--	--	--	--	--
Ethanol	--	--	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--
Ethylbenzene	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	< 5.0	--	< 5.0	< 5.0	< 5.0
Isopropylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Methylene chloride	< 5.0	--	< 5.0	< 5.0	< 5.0
MTBE	< 5.0	--	< 5.0	< 5.0	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-14	MFC-15	MFC-15	MFC-15	MFC-15-DUP
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02
DEPTH [1]	4.0	1.5	3.0	4.5	4.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	--	< 10	< 10	< 10
n-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
n-Propylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
sec-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Styrene	< 5.0	--	< 5.0	< 5.0	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--
tert-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Tertiary Butanol (TBA)	--	--	--	--	--
Tetrachloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	--	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Vinyl acetate	< 50	--	< 50	< 50	< 50
Vinyl chloride	< 5.0	--	< 5.0	< 5.0	< 5.0
Xylenes (Total)	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-16	MFC-16	MFC-17	MFC-17	MFC-18
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/26/02	3/26/02	3/25/02
DEPTH [1]	1.5	4.0	1.5	4.5	3.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	< 5.0	--	< 5.0	< 5.0
1,1,1-Trichloroethane	--	< 5.0	--	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	--	< 5.0	--	< 5.0	< 5.0
1,1,2-Trichloroethane	--	< 5.0	--	< 5.0	< 5.0
1,1-Dichloroethane	--	< 5.0	--	< 5.0	< 5.0
1,1-Dichloroethene	--	< 5.0	--	< 5.0	< 5.0
1,1-Dichloropropene	--	< 5.0	--	< 5.0	< 5.0
1,2,3-Trichlorobenzene	--	< 5.0	--	< 5.0	< 5.0
1,2,4-Trichlorobenzene	--	< 5.0	--	< 5.0	< 5.0
1,2,4-Trimethylbenzene	--	< 5.0	--	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	--	< 50	--	< 50	< 50
1,2-Dibromoethane	--	< 10	--	< 10	< 10
1,2-Dichlorobenzene	--	< 5.0	--	< 5.0	< 5.0
1,2-Dichloroethane	--	< 5.0	--	< 5.0	< 5.0
1,2-Dichloropropane	--	< 5.0	--	< 5.0	< 5.0
1,3,5-Trimethylbenzene	--	< 5.0	--	< 5.0	< 5.0
1,3-Dichlorobenzene	--	< 5.0	--	< 5.0	< 5.0
1,3-Dichloropropane	--	< 5.0	--	< 5.0	< 5.0
1,4-Dichlorobenzene	--	< 5.0	--	< 5.0	< 5.0
2,2-Dichloropropane	--	< 5.0	--	< 5.0	< 5.0
2-Butanone(MEK)	--	< 50	--	< 50	< 50
2-Chloroethylvinyl ether	--	< 50	--	< 50	< 50
2-Chlorotoluene	--	< 5.0	--	< 5.0	< 5.0
2-Hexanone	--	< 50	--	< 50	< 50
4-Chlorotoluene	--	< 5.0	--	< 5.0	< 5.0
4-Methyl-2-pentanone (MIBK)	--	< 50	--	< 50	< 50
Acetone	--	< 50	--	< 50	< 50
Benzene	< 0.0050	**10**	< 0.0050	< 5.0	< 5.0
Bromobenzene	--	< 5.0	--	< 5.0	< 5.0
Bromochloromethane	--	< 20	--	< 20	< 20
Bromodichloromethane	--	< 5.0	--	< 5.0	< 5.0
Bromoform	--	< 5.0	--	< 5.0	< 5.0
Bromomethane	--	< 10	--	< 10	< 10
Carbon disulfide	--	< 5.0	--	< 5.0	< 5.0
Carbon tetrachloride	--	< 5.0	--	< 5.0	< 5.0
Chlorobenzene	--	< 5.0	--	< 5.0	< 5.0
Chloroethane	--	< 10	--	< 10	< 10
Chloroform	--	< 5.0	--	< 5.0	< 5.0
Chloromethane	--	< 10	--	< 10	< 10
cis-1,2-Dichloroethene	--	< 5.0	--	< 5.0	< 5.0
cis-1,3-Dichloropropene	--	< 5.0	--	< 5.0	< 5.0
Dibromochloromethane	--	< 5.0	--	< 5.0	< 5.0
Dibromomethane	--	< 10	--	< 10	< 10
Dichlorodifluoromethane	--	< 10	--	< 10	< 10
di-Isopropyl Ether (DIPE)	--	--	--	--	--
Ethanol	--	--	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--
Ethylbenzene	< 0.0050	< 5.0	< 0.0050	< 5.0	< 5.0
Hexachlorobutadiene	--	< 5.0	--	< 5.0	< 5.0
Isopropylbenzene	--	< 5.0	--	< 5.0	< 5.0
Methylene chloride	--	< 5.0	--	< 5.0	< 5.0
MTBE	--	< 5.0	--	< 5.0	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-16	MFC-16	MFC-17	MFC-17	MFC-18
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/26/02	3/26/02	3/25/02
DEPTH [1]	1.5	4.0	1.5	4.5	3.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	< 10	--	< 10	< 10
n-Butylbenzene	--	< 5.0	--	< 5.0	< 5.0
n-Propylbenzene	--	< 5.0	--	< 5.0	< 5.0
p-Isopropyltoluene	--	< 5.0	--	< 5.0	< 5.0
sec-Butylbenzene	--	< 5.0	--	< 5.0	< 5.0
Styrene	--	< 5.0	--	< 5.0	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--
tert-Butylbenzene	--	< 5.0	--	< 5.0	< 5.0
Tertiary Butanol (TBA)	--	--	--	--	--
Tetrachloroethene	--	< 5.0	--	< 5.0	< 5.0
Toluene	< 0.0050	< 5.0	< 0.0050	< 5.0	< 5.0
trans-1,2-Dichloroethene	--	< 5.0	--	< 5.0	< 5.0
trans-1,3-Dichloropropene	--	< 5.0	--	< 5.0	< 5.0
Trichloroethene	--	< 5.0	--	< 5.0	< 5.0
Trichlorofluoromethane	--	< 5.0	--	< 5.0	< 5.0
Trichlorotrifluoroethane	--	< 5.0	--	< 5.0	< 5.0
Vinyl acetate	--	< 50	--	< 50	< 50
Vinyl chloride	--	< 5.0	--	< 5.0	< 5.0
Xylenes (Total)	< 0.0050	< 5.0	< 0.0050	< 5.0	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-18	MFC-19	MFC-19	MFC-19	MFC-20
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/25/02	3/25/02	3/27/02
DEPTH [1]	4.5	1.0	2.0	4.0	4.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1-Dichloropropene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	< 50	--	< 50	< 50	< 50
1,2-Dibromoethane	< 10	--	< 10	< 10	< 10
1,2-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,3-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
2-Butanone(MEK)	< 50	--	< 50	< 50	< 50
2-Chloroethylvinyl ether	< 50	--	< 50	< 50	< 50
2-Chlorotoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
2-Hexanone	< 50	--	< 50	< 50	< 50
4-Chlorotoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	--	< 50	< 50	< 50
Acetone	< 50	--	< 50	< 50	< 50
Benzene	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0
Bromobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Bromochloromethane	< 20	--	< 20	< 20	< 20
Bromodichloromethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	--	< 5.0	< 5.0	< 5.0
Bromomethane	< 10	--	< 10	< 10	< 10
Carbon disulfide	< 5.0	--	< 5.0	< 5.0	< 5.0
Carbon tetrachloride	< 5.0	--	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Chloroethane	< 10	--	< 10	< 10	< 10
Chloroform	< 5.0	--	< 5.0	< 5.0	< 5.0
Chloromethane	< 10	--	< 10	< 10	< 10
cis-1,2-Dichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	--	< 5.0	< 5.0	< 5.0
Dibromochloromethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Dibromomethane	< 10	--	< 10	< 10	< 10
Dichlorodifluoromethane	< 10	--	< 10	< 10	< 10
di-Isopropyl Ether (DIPE)	--	--	--	--	--
Ethanol	--	--	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--
Ethylbenzene	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	< 5.0	--	< 5.0	< 5.0	< 5.0
Isopropylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Methylene chloride	< 5.0	--	< 5.0	< 5.0	< 5.0
MTBE	< 5.0	--	< 5.0	< 5.0	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-18	MFC-19	MFC-19	MFC-19	MFC-20
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/25/02	3/25/02	3/27/02
DEPTH [1]	4.5	1.0	2.0	4.0	4.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	--	< 10	< 10	< 10
n-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
n-Propylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
sec-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Styrene	< 5.0	--	< 5.0	< 5.0	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--
tert-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Tertiary Butanol (TBA)	--	--	--	--	--
Tetrachloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	--	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	--	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Vinyl acetate	< 50	--	< 50	< 50	< 50
Vinyl chloride	< 5.0	--	< 5.0	< 5.0	< 5.0
Xylenes (Total)	< 5.0	< 0.0050	< 5.0	< 5.0	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-20	MFC-20	MFC-21	MFC-21	MFC-22
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/28/02	3/28/02	3/28/02
DEPTH [1]	7.0	13.0	4.5	8.0	4.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,1,1-Trichloroethane	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
1,1-Dichloropropene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,3-Trichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,4-Trichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2,4-Trimethylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	< 50	--	< 50	< 50	< 50
1,2-Dibromoethane	< 10	--	< 10	< 10	< 10
1,2-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 2.0	< 5.0	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 2.0	< 5.0	< 5.0	< 5.0
1,3,5-Trimethylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,3-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
1,3-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
1,4-Dichlorobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
2,2-Dichloropropane	< 5.0	--	< 5.0	< 5.0	< 5.0
2-Butanone(MEK)	< 50	< 10.0	< 50	< 50	< 50
2-Chloroethylvinyl ether	< 50	--	< 50	< 50	< 50
2-Chlorotoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
2-Hexanone	< 50	< 2.0	< 50	< 50	< 50
4-Chlorotoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	< 2.0	< 50	< 50	< 50
Acetone	< 50	< 5.0	< 50	< 50	< 50
Benzene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Bromobenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Bromochloromethane	< 20	--	< 20	< 20	< 20
Bromodichloromethane	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Bromoform	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Bromomethane	< 10	< 2.0	< 10	< 10	< 10
Carbon disulfide	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Carbon tetrachloride	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Chloroethane	< 10	< 2.0	< 10	< 10	< 10
Chloroform	< 5.0	< 2.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 10	< 2.0	< 10	< 10	< 10
cis-1,2-Dichloroethene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Dibromochloromethane	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Dibromomethane	< 10	--	< 10	< 10	< 10
Dichlorodifluoromethane	< 10	--	< 10	< 10	< 10
di-Isopropyl Ether (DIPE)	--	< 2.0	--	--	--
Ethanol	--	< 200.0	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	< 2.0	--	--	--
Ethylbenzene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Hexachlorobutadiene	< 5.0	--	< 5.0	< 5.0	< 5.0
Isopropylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Methylene chloride	< 5.0	--	< 5.0	< 5.0	< 5.0
MTBE	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-20	MFC-20	MFC-21	MFC-21	MFC-22
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/28/02	3/28/02	3/28/02
DEPTH [1]	7.0	13.0	4.5	8.0	4.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	--	< 10	< 10	< 10
n-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
n-Propylbenzene	< 5.0	< 2.0	< 5.0	< 5.0	< 5.0
p-Isopropyltoluene	< 5.0	--	< 5.0	< 5.0	< 5.0
sec-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Styrene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	< 2.0	--	--	--
tert-Butylbenzene	< 5.0	--	< 5.0	< 5.0	< 5.0
Tertiary Butanol (TBA)	--	< 50.0	--	--	--
Tetrachloroethene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Toluene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Trichloroethene	< 5.0	< 1.0	< 5.0	< 5.0	< 5.0
Trichlorofluoromethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Trichlorotrifluoroethane	< 5.0	--	< 5.0	< 5.0	< 5.0
Vinyl acetate	< 50	< 5.0	< 50	< 50	< 50
Vinyl chloride	< 5.0	< 3.0	< 5.0	< 5.0	< 5.0
Xylenes (Total)	< 5.0	< 2.0	< 5.0	< 5.0	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-22	MFC-23	MFC-23	MFC-24	MFC-24
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/27/02	3/27/02
DEPTH [1]	7.5	5.5	8.0	1.5	4.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	--	< 5.0
1,1,1-Trichloroethane	< 5.0	< 5.0	< 5.0	--	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	--	< 5.0
1,1,2-Trichloroethane	< 5.0	< 5.0	< 5.0	--	< 5.0
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	--	< 5.0
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	--	< 5.0
1,1-Dichloropropene	< 5.0	< 5.0	< 5.0	--	< 5.0
1,2,3-Trichlorobenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
1,2,4-Trichlorobenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
1,2,4-Trimethylbenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
1,2-Dibromo-3-chloropropane	< 50	< 50	< 50	--	< 50
1,2-Dibromoethane	< 10	< 10	< 10	--	< 10
1,2-Dichlorobenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	--	< 5.0
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	--	< 5.0
1,3,5-Trimethylbenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
1,3-Dichlorobenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
1,3-Dichloropropane	< 5.0	< 5.0	< 5.0	--	< 5.0
1,4-Dichlorobenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
2,2-Dichloropropane	< 5.0	< 5.0	< 5.0	--	< 5.0
2-Butanone(MEK)	< 50	< 50	< 50	--	< 50
2-Chloroethylvinyl ether	< 50	< 50	< 50	--	< 50
2-Chlorotoluene	< 5.0	< 5.0	< 5.0	--	< 5.0
2-Hexanone	< 50	< 50	< 50	--	< 50
4-Chlorotoluene	< 5.0	< 5.0	< 5.0	--	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	< 50	< 50	--	< 50
Acetone	< 50	< 50	< 50	--	< 50
Benzene	< 5.0	< 5.0	< 5.0	< 0.0050	< 5.0
Bromobenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
Bromochloromethane	< 20	< 20	< 20	--	< 20
Bromodichloromethane	< 5.0	< 5.0	< 5.0	--	< 5.0
Bromoform	< 5.0	< 5.0	< 5.0	--	< 5.0
Bromomethane	< 10	< 10	< 10	--	< 10
Carbon disulfide	< 5.0	< 5.0	< 5.0	--	< 5.0
Carbon tetrachloride	< 5.0	< 5.0	< 5.0	--	< 5.0
Chlorobenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
Chloroethane	< 10	< 10	< 10	--	< 10
Chloroform	< 5.0	< 5.0	< 5.0	--	< 5.0
Chloromethane	< 10	< 10	< 10	--	< 10
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	--	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	--	< 5.0
Dibromochloromethane	< 5.0	< 5.0	< 5.0	--	< 5.0
Dibromomethane	< 10	< 10	< 10	--	< 10
Dichlorodifluoromethane	< 10	< 10	< 10	--	< 10
di-Isopropyl Ether (DIPE)	--	--	--	--	--
Ethanol	--	--	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 0.0050	< 5.0
Hexachlorobutadiene	< 5.0	< 5.0	< 5.0	--	< 5.0
Isopropylbenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
Methylene chloride	< 5.0	< 5.0	< 5.0	--	< 5.0
MTBE	< 5.0	< 5.0	< 5.0	--	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-22	MFC-23	MFC-23	MFC-24	MFC-24
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/27/02	3/27/02
DEPTH [1]	7.5	5.5	8.0	1.5	4.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	< 10	< 10	--	< 10
n-Butylbenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
n-Propylbenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
p-Isopropyltoluene	< 5.0	< 5.0	< 5.0	--	< 5.0
sec-Butylbenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
Styrene	< 5.0	< 5.0	< 5.0	--	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--
tert-Butylbenzene	< 5.0	< 5.0	< 5.0	--	< 5.0
Tertiary Butanol (TBA)	--	--	--	--	--
Tetrachloroethene	< 5.0	< 5.0	< 5.0	--	< 5.0
Toluene	< 5.0	< 5.0	< 5.0	< 0.0050	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	--	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 5.0	--	< 5.0
Trichloroethene	< 5.0	< 5.0	< 5.0	--	< 5.0
Trichlorofluoromethane	< 5.0	< 5.0	< 5.0	--	< 5.0
Trichlorotrifluoroethane	< 5.0	< 5.0	< 5.0	--	< 5.0
Vinyl acetate	< 50	< 50	< 50	--	< 50
Vinyl chloride	< 5.0	< 5.0	< 5.0	--	< 5.0
Xylenes (Total)	< 5.0	< 5.0	< 5.0	< 0.0050	**5.0**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-24	MFC-25	MFC-25	MFC-25	MFC-26
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/28/02	3/28/02	3/28/02	3/27/02
DEPTH [1]	4.5	1.0	4.5	7.5	1.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	--	< 5.0	--	--
1,1,1-Trichloroethane	< 1.0	< 1.0	< 5.0	< 1.0	--
1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 5.0	< 1.0	--
1,1,2-Trichloroethane	< 1.0	< 1.0	< 5.0	< 1.0	--
1,1-Dichloroethane	< 1.0	< 1.0	< 5.0	< 1.0	--
1,1-Dichloroethene	< 1.0	< 1.0	< 5.0	< 1.0	--
1,1-Dichloropropene	--	--	< 5.0	--	--
1,2,3-Trichlorobenzene	--	--	< 5.0	--	--
1,2,4-Trichlorobenzene	--	--	< 5.0	--	--
1,2,4-Trimethylbenzene	--	--	< 5.0	--	--
1,2-Dibromo-3-chloropropane	--	--	< 50	--	--
1,2-Dibromoethane	--	--	< 10	--	--
1,2-Dichlorobenzene	--	--	< 5.0	--	--
1,2-Dichloroethane	< 2.0	< 2.0	< 5.0	< 2.0	--
1,2-Dichloropropane	< 2.0	< 2.0	< 5.0	< 2.0	--
1,3,5-Trimethylbenzene	--	--	< 5.0	--	--
1,3-Dichlorobenzene	--	--	< 5.0	--	--
1,3-Dichloropropane	--	--	< 5.0	--	--
1,4-Dichlorobenzene	--	--	< 5.0	--	--
2,2-Dichloropropane	--	--	< 5.0	--	--
2-Butanone(MEK)	< 10.0	< 10.0	< 50	< 10.0	--
2-Chloroethylvinyl ether	--	--	< 50	--	--
2-Chlorotoluene	--	--	< 5.0	--	--
2-Hexanone	< 2.0	< 2.0	< 50	< 2.0	--
4-Chlorotoluene	--	--	< 5.0	--	--
4-Methyl-2-pentanone (MIBK)	< 2.0	< 2.0	< 50	< 2.0	--
Acetone	< 5.0	< 5.0	59	< 5.0	--
Benzene	< 1.0	< 1.0	< 5.0	< 1.0	< 0.0050
Bromobenzene	--	--	< 5.0	--	--
Bromochloromethane	--	--	< 20	--	--
Bromodichloromethane	< 1.0	< 1.0	< 5.0	< 1.0	--
Bromoform	< 1.0	< 1.0	< 5.0	< 1.0	--
Bromomethane	< 2.0	< 2.0	< 10	< 2.0	--
Carbon disulfide	< 1.0	< 1.0	< 5.0	< 1.0	--
Carbon tetrachloride	< 1.0	< 1.0	< 5.0	< 1.0	--
Chlorobenzene	< 1.0	< 1.0	< 5.0	< 1.0	--
Chloroethane	< 2.0	< 2.0	< 10	< 2.0	--
Chloroform	< 2.0	< 2.0	< 5.0	< 2.0	--
Chloromethane	< 2.0	< 2.0	< 10	< 2.0	--
cis-1,2-Dichloroethene	< 1.0	< 1.0	< 5.0	< 1.0	--
cis-1,3-Dichloropropene	< 1.0	< 1.0	< 5.0	< 1.0	--
Dibromochloromethane	< 1.0	< 1.0	< 5.0	< 1.0	--
Dibromomethane	--	--	< 10	--	--
Dichlorodifluoromethane	--	--	< 10	--	--
di-Isopropyl Ether (DIPE)	< 2.0	< 2.0	--	< 2.0	--
Ethanol	< 200.0	< 200.0	--	< 200.0	--
Ethyl tert-Butyl Ether (ETBE)	< 2.0	< 2.0	--	< 2.0	--
Ethylbenzene	< 1.0	< 1.0	< 5.0	< 1.0	< 0.0050
Hexachlorobutadiene	--	--	< 5.0	--	--
Isopropylbenzene	--	--	< 5.0	--	--
Methylene chloride	--	--	< 5.0	--	--
MTBE	< 1.0	< 1.0	< 5.0	< 1.0	--

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-24	MFC-25	MFC-25	MFC-25	MFC-26
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/28/02	3/28/02	3/28/02	3/27/02
DEPTH[1]	4.5	1.0	4.5	7.5	1.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	--	< 10	--	--
n-Butylbenzene	--	--	< 5.0	--	--
n-Propylbenzene	< 2.0	< 2.0	< 5.0	< 2.0	--
p-Isopropyltoluene	--	--	< 5.0	--	--
sec-Butylbenzene	--	--	< 5.0	--	--
Styrene	< 1.0	< 1.0	< 5.0	< 1.0	--
tert-Amyl Ethyl Ether (TAME)	< 2.0	< 2.0	--	< 2.0	--
tert-Butylbenzene	--	--	< 5.0	--	--
Tertiary Butanol (TBA)	< 50.0	< 50.0	--	< 50.0	--
Tetrachloroethene	< 1.0	< 1.0	< 5.0	< 1.0	--
Toluene	**1.1**	< 1.0	< 5.0	< 1.0	< 0.0050
trans-1,2-Dichloroethene	< 1.0	< 1.0	< 5.0	< 1.0	--
trans-1,3-Dichloropropene	< 1.0	< 1.0	< 5.0	< 1.0	--
Trichloroethene	< 1.0	< 1.0	< 5.0	< 1.0	--
Trichlorofluoromethane	--	--	< 5.0	--	--
Trichlorotrifluoroethane	--	--	< 5.0	--	--
Vinyl acetate	< 5.0	< 5.0	< 50	< 5.0	--
Vinyl chloride	< 3.0	< 3.0	< 5.0	< 3.0	--
Xylenes (Total)	< 2.0	< 2.0	< 5.0	< 2.0	< 0.0050

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-26	MFC-26	MFC-27	MFC-27	MFC-27
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
DEPTH [1]	5.0	7.5	1.5	4.5	5.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	< 5.0	--	< 5.0	--
1,1,1-Trichloroethane	< 5.0	< 5.0	--	< 5.0	< 1.0
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	--	< 5.0	< 1.0
1,1,2-Trichloroethane	< 5.0	< 5.0	--	< 5.0	< 1.0
1,1-Dichloroethane	< 5.0	< 5.0	--	< 5.0	< 1.0
1,1-Dichloroethene	< 5.0	< 5.0	--	< 5.0	< 1.0
1,1-Dichloropropene	< 5.0	< 5.0	--	< 5.0	--
1,2,3-Trichlorobenzene	< 5.0	< 5.0	--	< 5.0	--
1,2,4-Trichlorobenzene	< 5.0	< 5.0	--	< 5.0	--
1,2,4-Trimethylbenzene	< 5.0	< 5.0	--	< 5.0	--
1,2-Dibromo-3-chloropropane	< 50	< 50	--	< 50	--
1,2-Dibromoethane	< 10	< 10	--	< 10	--
1,2-Dichlorobenzene	< 5.0	< 5.0	--	< 5.0	--
1,2-Dichloroethane	< 5.0	< 5.0	--	< 5.0	< 2.0
1,2-Dichloropropane	< 5.0	< 5.0	--	< 5.0	< 2.0
1,3,5-Trimethylbenzene	< 5.0	< 5.0	--	< 5.0	--
1,3-Dichlorobenzene	< 5.0	< 5.0	--	< 5.0	--
1,3-Dichloropropane	< 5.0	< 5.0	--	< 5.0	--
1,4-Dichlorobenzene	< 5.0	< 5.0	--	< 5.0	--
2,2-Dichloropropane	< 5.0	< 5.0	--	< 5.0	--
2-Butanone(MEK)	< 50	< 50	--	< 50	< 10.0
2-Chloroethylvinyl ether	< 50	< 50	--	< 50	--
2-Chlorotoluene	< 5.0	< 5.0	--	< 5.0	--
2-Hexanone	< 50	< 50	--	< 50	< 2.0
4-Chlorotoluene	< 5.0	< 5.0	--	< 5.0	--
4-Methyl-2-pentanone (MIBK)	< 50	< 50	--	< 50	< 2.0
Acetone	< 50	< 50	--	< 50	< 5.0
Benzene	< 5.0	< 5.0	< 0.0050	< 5.0	< 1.0
Bromobenzene	< 5.0	< 5.0	--	< 5.0	--
Bromochloromethane	< 20	< 20	--	< 20	--
Bromodichloromethane	< 5.0	< 5.0	--	< 5.0	< 1.0
Bromoform	< 5.0	< 5.0	--	< 5.0	< 1.0
Bromomethane	< 10	< 10	--	< 10	< 2.0
Carbon disulfide	< 5.0	< 5.0	--	< 5.0	< 1.0
Carbon tetrachloride	< 5.0	< 5.0	--	< 5.0	< 1.0
Chlorobenzene	< 5.0	< 5.0	--	< 5.0	< 1.0
Chloroethane	< 10	< 10	--	< 10	< 2.0
Chloroform	< 5.0	< 5.0	--	< 5.0	< 2.0
Chloromethane	< 10	< 10	--	< 10	< 2.0
cis-1,2-Dichloroethene	< 5.0	< 5.0	--	< 5.0	< 1.0
cis-1,3-Dichloropropene	< 5.0	< 5.0	--	< 5.0	< 1.0
Dibromochloromethane	< 5.0	< 5.0	--	< 5.0	< 1.0
Dibromomethane	< 10	< 10	--	< 10	--
Dichlorodifluoromethane	< 10	< 10	--	< 10	--
di-Isopropyl Ether (DIPE)	--	--	--	--	< 2.0
Ethanol	--	--	--	--	< 200.0
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	< 2.0
Ethylbenzene	< 5.0	< 5.0	**5.5**	< 5.0	< 1.0
Hexachlorobutadiene	< 5.0	< 5.0	--	< 5.0	--
Isopropylbenzene	< 5.0	< 5.0	--	< 5.0	--
Methylene chloride	< 5.0	< 5.0	--	< 5.0	--
MTBE	< 5.0	< 5.0	--	< 5.0	< 1.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-26	MFC-26	MFC-27	MFC-27	MFC-27
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
DEPTH [1]	5.0	7.5	1.5	4.5	5.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	< 10	--	< 10	--
n-Butylbenzene	< 5.0	< 5.0	--	< 5.0	--
n-Propylbenzene	< 5.0	< 5.0	--	< 5.0	< 2.0
p-Isopropyltoluene	< 5.0	< 5.0	--	< 5.0	--
sec-Butylbenzene	< 5.0	< 5.0	--	< 5.0	--
Styrene	< 5.0	< 5.0	--	< 5.0	< 1.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	< 2.0
tert-Butylbenzene	< 5.0	< 5.0	--	< 5.0	--
Tertiary Butanol (TBA)	--	--	--	--	< 50.0
Tetrachloroethene	< 5.0	< 5.0	--	< 5.0	< 1.0
Toluene	< 5.0	< 5.0	**18**	< 5.0	< 1.0
trans-1,2-Dichloroethene	< 5.0	< 5.0	--	< 5.0	< 1.0
trans-1,3-Dichloropropene	< 5.0	< 5.0	--	< 5.0	< 1.0
Trichloroethene	< 5.0	< 5.0	--	< 5.0	< 1.0
Trichlorofluoromethane	< 5.0	< 5.0	--	< 5.0	--
Trichlorotrifluoroethane	< 5.0	< 5.0	--	< 5.0	--
Vinyl acetate	< 50	< 50	--	< 50	< 5.0
Vinyl chloride	< 5.0	< 5.0	--	< 5.0	< 3.0
Xylenes (Total)	< 5.0	< 5.0	**26**	< 5.0	< 2.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-28	MFC-28	MFC-29	MFC-29	MFC-29
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	1.0	5.0	1.0	5.5	4.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	< 5.0	--	--	< 5.0
1,1,1-Trichloroethane	--	< 5.0	--	< 1.0	< 5.0
1,1,2,2-Tetrachloroethane	--	< 5.0	--	< 1.0	< 5.0
1,1,2-Trichloroethane	--	< 5.0	--	< 1.0	< 5.0
1,1-Dichloroethane	--	< 5.0	--	< 1.0	< 5.0
1,1-Dichloroethene	--	< 5.0	--	< 1.0	< 5.0
1,1-Dichloropropene	--	< 5.0	--	--	< 5.0
1,2,3-Trichlorobenzene	--	< 5.0	--	--	< 5.0
1,2,4-Trichlorobenzene	--	< 5.0	--	--	< 5.0
1,2,4-Trimethylbenzene	--	< 5.0	--	--	< 5.0
1,2-Dibromo-3-chloropropane	--	< 50	--	--	< 50
1,2-Dibromoethane	--	< 10	--	--	< 10
1,2-Dichlorobenzene	--	< 5.0	--	--	< 5.0
1,2-Dichloroethane	--	< 5.0	--	< 2.0	< 5.0
1,2-Dichloropropane	--	< 5.0	--	< 2.0	< 5.0
1,3,5-Trimethylbenzene	--	< 5.0	--	--	< 5.0
1,3-Dichlorobenzene	--	< 5.0	--	--	< 5.0
1,3-Dichloropropane	--	< 5.0	--	--	< 5.0
1,4-Dichlorobenzene	--	< 5.0	--	--	< 5.0
2,2-Dichloropropane	--	< 5.0	--	--	< 5.0
2-Butanone(MEK)	--	< 50	--	< 10.0	< 50
2-Chloroethylvinyl ether	--	< 50	--	--	< 50
2-Chlorotoluene	--	< 5.0	--	--	< 5.0
2-Hexanone	--	< 50	--	< 2.0	< 50
4-Chlorotoluene	--	< 5.0	--	--	< 5.0
4-Methyl-2-pentanone (MIBK)	--	< 50	--	< 2.0	< 50
Acetone	--	< 50	--	< 5.0	< 50
Benzene	< 0.0050	< 5.0	< 0.0050	< 1.0	< 5.0
Bromobenzene	--	< 5.0	--	--	< 5.0
Bromochloromethane	--	< 20	--	--	< 20
Bromodichloromethane	--	< 5.0	--	< 1.0	< 5.0
Bromoform	--	< 5.0	--	< 1.0	< 5.0
Bromomethane	--	< 10	--	< 2.0	< 10
Carbon disulfide	--	< 5.0	--	< 1.0	< 5.0
Carbon tetrachloride	--	< 5.0	--	< 1.0	< 5.0
Chlorobenzene	--	< 5.0	--	< 1.0	< 5.0
Chloroethane	--	< 10	--	< 2.0	< 10
Chloroform	--	< 5.0	--	< 2.0	< 5.0
Chloromethane	--	< 10	--	< 2.0	< 10
cis-1,2-Dichloroethene	--	< 5.0	--	< 1.0	< 5.0
cis-1,3-Dichloropropene	--	< 5.0	--	< 1.0	< 5.0
Dibromochloromethane	--	< 5.0	--	< 1.0	< 5.0
Dibromomethane	--	< 10	--	--	< 10
Dichlorodifluoromethane	--	< 10	--	--	< 10
di-Isopropyl Ether (DIPE)	--	--	--	< 2.0	--
Ethanol	--	--	--	< 200.0	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	< 2.0	--
Ethylbenzene	< 0.0050	< 5.0	< 0.0050	< 1.0	< 5.0
Hexachlorobutadiene	--	< 5.0	--	--	< 5.0
Isopropylbenzene	--	< 5.0	--	--	< 5.0
Methylene chloride	--	< 5.0	--	--	< 5.0
MTBE	--	< 5.0	--	< 1.0	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-28	MFC-28	MFC-29	MFC-29	MFC-29
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	1.0	5.0	1.0	5.5	4.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	< 10	--	--	< 10
n-Butylbenzene	--	< 5.0	--	--	< 5.0
n-Propylbenzene	--	< 5.0	--	< 2.0	< 5.0
p-Isopropyltoluene	--	< 5.0	--	--	< 5.0
sec-Butylbenzene	--	< 5.0	--	--	< 5.0
Styrene	--	< 5.0	--	< 1.0	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	< 2.0	--
tert-Butylbenzene	--	< 5.0	--	--	< 5.0
Tertiary Butanol (TBA)	--	--	--	< 50.0	--
Tetrachloroethene	--	< 5.0	--	< 1.0	< 5.0
Toluene	**6.2**	< 5.0	< 0.0050	< 1.0	< 5.0
trans-1,2-Dichloroethene	--	< 5.0	--	< 1.0	< 5.0
trans-1,3-Dichloropropene	--	< 5.0	--	< 1.0	< 5.0
Trichloroethene	--	< 5.0	--	< 1.0	< 5.0
Trichlorofluoromethane	--	< 5.0	--	--	< 5.0
Trichlorotrifluoroethane	--	< 5.0	--	--	< 5.0
Vinyl acetate	--	< 50	--	< 5.0	< 50
Vinyl chloride	--	< 5.0	--	< 3.0	< 5.0
Xylenes (Total)	**12**	< 5.0	< 0.0050	< 2.0	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-29-DUP	MFC-30	MFC-30	MFC-31	MFC-31
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/27/02	3/27/02	3/25/02	3/25/02
DEPTH [1]	4.5	1.5	4.5	1.0	3.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	--	--	--	< 5.0
1,1,1-Trichloroethane	< 5.0	--	< 1.0	--	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	--	< 1.0	--	< 5.0
1,1,2-Trichloroethane	< 5.0	--	< 1.0	--	< 5.0
1,1-Dichloroethane	< 5.0	--	< 1.0	--	< 5.0
1,1-Dichloroethene	< 5.0	--	< 1.0	--	< 5.0
1,1-Dichloropropene	< 5.0	--	--	--	< 5.0
1,2,3-Trichlorobenzene	< 5.0	--	--	--	< 5.0
1,2,4-Trichlorobenzene	< 5.0	--	--	--	< 5.0
1,2,4-Trimethylbenzene	< 5.0	--	--	--	< 5.0
1,2-Dibromo-3-chloropropane	< 50	--	--	--	< 50
1,2-Dibromoethane	< 10	--	--	--	< 10
1,2-Dichlorobenzene	< 5.0	--	--	--	< 5.0
1,2-Dichloroethane	< 5.0	--	< 2.0	--	< 5.0
1,2-Dichloropropane	< 5.0	--	< 2.0	--	< 5.0
1,3,5-Trimethylbenzene	< 5.0	--	--	--	< 5.0
1,3-Dichlorobenzene	< 5.0	--	--	--	< 5.0
1,3-Dichloropropane	< 5.0	--	--	--	< 5.0
1,4-Dichlorobenzene	< 5.0	--	--	--	< 5.0
2,2-Dichloropropane	< 5.0	--	--	--	< 5.0
2-Butanone(MEK)	< 50	--	< 10.0	--	< 50
2-Chloroethylvinyl ether	< 50	--	--	--	< 50
2-Chlorotoluene	< 5.0	--	--	--	< 5.0
2-Hexanone	< 50	--	< 2.0	--	< 50
4-Chlorotoluene	< 5.0	--	--	--	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	--	< 2.0	--	< 50
Acetone	< 50	--	< 5.0	--	< 50
Benzene	< 5.0	< 0.0050	< 1.0	< 0.0050	< 5.0
Bromobenzene	< 5.0	--	--	--	< 5.0
Bromochloromethane	< 20	--	--	--	< 20
Bromodichloromethane	< 5.0	--	< 1.0	--	< 5.0
Bromoform	< 5.0	--	< 1.0	--	< 5.0
Bromomethane	< 10	--	< 2.0	--	< 10
Carbon disulfide	< 5.0	--	< 1.0	--	< 5.0
Carbon tetrachloride	< 5.0	--	< 1.0	--	< 5.0
Chlorobenzene	< 5.0	--	< 1.0	--	< 5.0
Chloroethane	< 10	--	< 2.0	--	< 10
Chloroform	< 5.0	--	< 2.0	--	< 5.0
Chloromethane	< 10	--	< 2.0	--	< 10
cis-1,2-Dichloroethene	< 5.0	--	< 1.0	--	< 5.0
cis-1,3-Dichloropropene	< 5.0	--	< 1.0	--	< 5.0
Dibromochloromethane	< 5.0	--	< 1.0	--	< 5.0
Dibromomethane	< 10	--	--	--	< 10
Dichlorodifluoromethane	< 10	--	--	--	< 10
di-Isopropyl Ether (DIPE)	--	--	< 2.0	--	--
Ethanol	--	--	< 200.0	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	< 2.0	--	--
Ethylbenzene	< 5.0	< 0.0050	< 1.0	< 0.0050	< 5.0
Hexachlorobutadiene	< 5.0	--	--	--	< 5.0
Isopropylbenzene	< 5.0	--	--	--	< 5.0
Methylene chloride	< 5.0	--	--	--	< 5.0
MTBE	< 5.0	--	< 1.0	--	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-29-DUP	MFC-30	MFC-30	MFC-31	MFC-31
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/27/02	3/27/02	3/25/02	3/25/02
DEPTH [1]	4.5	1.5	4.5	1.0	3.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	--	--	--	< 10
n-Butylbenzene	< 5.0	--	--	--	< 5.0
n-Propylbenzene	< 5.0	--	< 2.0	--	< 5.0
p-Isopropyltoluene	< 5.0	--	--	--	< 5.0
sec-Butylbenzene	< 5.0	--	--	--	< 5.0
Styrene	< 5.0	--	< 1.0	--	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	--	< 2.0	--	--
tert-Butylbenzene	< 5.0	--	--	--	< 5.0
Tertiary Butanol (TBA)	--	--	< 50.0	--	--
Tetrachloroethene	< 5.0	--	< 1.0	--	< 5.0
Toluene	< 5.0	< 0.0050	**1.0**	< 0.0050	< 5.0
trans-1,2-Dichloroethene	< 5.0	--	< 1.0	--	< 5.0
trans-1,3-Dichloropropene	< 5.0	--	< 1.0	--	< 5.0
Trichloroethene	< 5.0	--	< 1.0	--	< 5.0
Trichlorofluoromethane	< 5.0	--	--	--	< 5.0
Trichlorotrifluoroethane	< 5.0	--	--	--	< 5.0
Vinyl acetate	< 50	--	< 5.0	--	< 50
Vinyl chloride	< 5.0	--	< 3.0	--	< 5.0
Xylenes (Total)	< 5.0	< 0.0050	< 2.0	< 0.0050	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-31	MFC-31	MFC-32	MFC-33	MFC-33
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/26/02	3/25/02	3/25/02
DEPTH [1]	4.5	5.0	1.5	1.5	3.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	--	--	--	< 5.0
1,1,1-Trichloroethane	< 5.0	< 1.0	--	--	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 1.0	--	--	< 5.0
1,1,2-Trichloroethane	< 5.0	< 1.0	--	--	< 5.0
1,1-Dichloroethane	< 5.0	< 1.0	--	--	< 5.0
1,1-Dichloroethene	< 5.0	< 1.0	--	--	< 5.0
1,1-Dichloropropene	< 5.0	--	--	--	< 5.0
1,2,3-Trichlorobenzene	< 5.0	--	--	--	< 5.0
1,2,4-Trichlorobenzene	< 5.0	--	--	--	< 5.0
1,2,4-Trimethylbenzene	< 5.0	--	--	--	< 5.0
1,2-Dibromo-3-chloropropane	< 50	--	--	--	< 50
1,2-Dibromoethane	< 10	--	--	--	< 10
1,2-Dichlorobenzene	< 5.0	--	--	--	< 5.0
1,2-Dichloroethane	< 5.0	< 2.0	--	--	< 5.0
1,2-Dichloropropane	< 5.0	< 2.0	--	--	< 5.0
1,3,5-Trimethylbenzene	< 5.0	--	--	--	< 5.0
1,3-Dichlorobenzene	< 5.0	--	--	--	< 5.0
1,3-Dichloropropane	< 5.0	--	--	--	< 5.0
1,4-Dichlorobenzene	< 5.0	--	--	--	< 5.0
2,2-Dichloropropane	< 5.0	--	--	--	< 5.0
2-Butanone(MEK)	< 50	< 10.0	--	--	< 50
2-Chloroethylvinyl ether	< 50	--	--	--	< 50
2-Chlorotoluene	< 5.0	--	--	--	< 5.0
2-Hexanone	< 50	< 2.0	--	--	< 50
4-Chlorotoluene	< 5.0	--	--	--	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	< 2.0	--	--	< 50
Acetone	< 50	< 5.0	--	--	< 50
Benzene	< 5.0	< 1.0	< 0.0050	< 0.0050	< 5.0
Bromobenzene	< 5.0	--	--	--	< 5.0
Bromochloromethane	< 20	--	--	--	< 20
Bromodichloromethane	< 5.0	< 1.0	--	--	< 5.0
Bromoform	< 5.0	< 1.0	--	--	< 5.0
Bromomethane	< 10	< 2.0	--	--	< 10
Carbon disulfide	< 5.0	< 1.0	--	--	< 5.0
Carbon tetrachloride	< 5.0	< 1.0	--	--	< 5.0
Chlorobenzene	< 5.0	< 1.0	--	--	< 5.0
Chloroethane	< 10	< 2.0	--	--	< 10
Chloroform	< 5.0	< 2.0	--	--	< 5.0
Chloromethane	< 10	< 2.0	--	--	< 10
cis-1,2-Dichloroethene	< 5.0	< 1.0	--	--	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 1.0	--	--	< 5.0
Dibromochloromethane	< 5.0	< 1.0	--	--	< 5.0
Dibromomethane	< 10	--	--	--	< 10
Dichlorodifluoromethane	< 10	--	--	--	< 10
di-Isopropyl Ether (DIPE)	--	< 2.0	--	--	--
Ethanol	--	< 200.0	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	< 2.0	--	--	--
Ethylbenzene	< 5.0	< 1.0	< 0.0050	< 0.0050	< 5.0
Hexachlorobutadiene	< 5.0	--	--	--	< 5.0
Isopropylbenzene	< 5.0	--	--	--	< 5.0
Methylene chloride	< 5.0	--	--	--	< 5.0
MTBE	< 5.0	< 1.0	--	--	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-31	MFC-31	MFC-32	MFC-33	MFC-33
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/26/02	3/25/02	3/25/02
DEPTH [1]	4.5	5.0	1.5	1.5	3.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	--	--	--	< 10
n-Butylbenzene	< 5.0	--	--	--	< 5.0
n-Propylbenzene	< 5.0	< 2.0	--	--	< 5.0
p-Isopropyltoluene	< 5.0	--	--	--	< 5.0
sec-Butylbenzene	< 5.0	--	--	--	< 5.0
Styrene	< 5.0	< 1.0	--	--	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	< 2.0	--	--	--
tert-Butylbenzene	< 5.0	--	--	--	< 5.0
Tertiary Butanol (TBA)	--	< 50.0	--	--	--
Tetrachloroethene	< 5.0	< 1.0	--	--	< 5.0
Toluene	< 5.0	< 1.0	< 0.0050	< 0.0050	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 1.0	--	--	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 1.0	--	--	< 5.0
Trichloroethene	< 5.0	< 1.0	--	--	< 5.0
Trichlorofluoromethane	< 5.0	--	--	--	< 5.0
Trichlorotrifluoroethane	< 5.0	--	--	--	< 5.0
Vinyl acetate	< 50	< 5.0	--	--	< 50
Vinyl chloride	< 5.0	< 3.0	--	--	< 5.0
Xylenes (Total)	< 5.0	< 2.0	< 0.0050	< 0.0050	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-33	MFC-33	MFC-34	MFC-34	MFC-34
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	5.0	5.5	1.5	3.0	5.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	--	--	< 5.0	< 5.0
1,1,1-Trichloroethane	< 5.0	< 1.0	--	< 5.0	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 1.0	--	< 5.0	< 5.0
1,1,2-Trichloroethane	< 5.0	< 1.0	--	< 5.0	< 5.0
1,1-Dichloroethane	< 5.0	< 1.0	--	< 5.0	< 5.0
1,1-Dichloroethene	< 5.0	< 1.0	--	< 5.0	< 5.0
1,1-Dichloropropene	< 5.0	--	--	< 5.0	< 5.0
1,2,3-Trichlorobenzene	< 5.0	--	--	< 5.0	< 5.0
1,2,4-Trichlorobenzene	< 5.0	--	--	< 5.0	< 5.0
1,2,4-Trimethylbenzene	< 5.0	--	--	< 5.0	< 5.0
1,2-Dibromo-3-chloropropane	< 50	--	--	< 50	< 50
1,2-Dibromoethane	< 10	--	--	< 10	< 10
1,2-Dichlorobenzene	< 5.0	--	--	< 5.0	< 5.0
1,2-Dichloroethane	< 5.0	< 2.0	--	< 5.0	< 5.0
1,2-Dichloropropane	< 5.0	< 2.0	--	< 5.0	< 5.0
1,3,5-Trimethylbenzene	< 5.0	--	--	< 5.0	< 5.0
1,3-Dichlorobenzene	< 5.0	--	--	< 5.0	< 5.0
1,3-Dichloropropane	< 5.0	--	--	< 5.0	< 5.0
1,4-Dichlorobenzene	< 5.0	--	--	< 5.0	< 5.0
2,2-Dichloropropane	< 5.0	--	--	< 5.0	< 5.0
2-Butanone(MEK)	< 50	< 10.0	--	< 50	< 50
2-Chloroethylvinyl ether	< 50	--	--	< 50	< 50
2-Chlorotoluene	< 5.0	--	--	< 5.0	< 5.0
2-Hexanone	< 50	< 2.0	--	< 50	< 50
4-Chlorotoluene	< 5.0	--	--	< 5.0	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	< 2.0	--	< 50	< 50
Acetone	< 50	< 5.0	--	< 50	< 50
Benzene	< 5.0	< 1.0	< 0.0050	< 5.0	< 5.0
Bromobenzene	< 5.0	--	--	< 5.0	< 5.0
Bromochloromethane	< 20	--	--	< 20	< 20
Bromodichloromethane	< 5.0	< 1.0	--	< 5.0	< 5.0
Bromoform	< 5.0	< 1.0	--	< 5.0	< 5.0
Bromomethane	< 10	< 2.0	--	< 10	< 10
Carbon disulfide	< 5.0	< 1.0	--	< 5.0	< 5.0
Carbon tetrachloride	< 5.0	< 1.0	--	< 5.0	< 5.0
Chlorobenzene	< 5.0	< 1.0	--	< 5.0	< 5.0
Chloroethane	< 10	< 2.0	--	< 10	< 10
Chloroform	< 5.0	< 2.0	--	< 5.0	< 5.0
Chloromethane	< 10	< 2.0	--	< 10	< 10
cis-1,2-Dichloroethene	< 5.0	< 1.0	--	< 5.0	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 1.0	--	< 5.0	< 5.0
Dibromochloromethane	< 5.0	< 1.0	--	< 5.0	< 5.0
Dibromomethane	< 10	--	--	< 10	< 10
Dichlorodifluoromethane	< 10	--	--	< 10	< 10
di-Isopropyl Ether (DIPE)	--	< 2.0	--	--	--
Ethanol	--	< 200.0	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	< 2.0	--	--	--
Ethylbenzene	< 5.0	< 1.0	< 0.0050	< 5.0	< 5.0
Hexachlorobutadiene	< 5.0	--	--	< 5.0	< 5.0
Isopropylbenzene	< 5.0	--	--	< 5.0	< 5.0
Methylene chloride	< 5.0	--	--	< 5.0	< 5.0
MTBE	< 5.0	< 1.0	--	< 5.0	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-33	MFC-33	MFC-34	MFC-34	MFC-34
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	5.0	5.5	1.5	3.0	5.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	--	--	< 10	< 10
n-Butylbenzene	< 5.0	--	--	< 5.0	< 5.0
n-Propylbenzene	< 5.0	< 2.0	--	< 5.0	< 5.0
p-Isopropyltoluene	< 5.0	--	--	< 5.0	< 5.0
sec-Butylbenzene	< 5.0	--	--	< 5.0	< 5.0
Styrene	< 5.0	< 1.0	--	< 5.0	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	< 2.0	--	--	--
tert-Butylbenzene	< 5.0	--	--	< 5.0	< 5.0
Tertiary Butanol (TBA)	--	< 50.0	--	--	--
Tetrachloroethene	< 5.0	< 1.0	--	< 5.0	< 5.0
Toluene	< 5.0	< 1.0	< 0.0050	< 5.0	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 1.0	--	< 5.0	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 1.0	--	< 5.0	< 5.0
Trichloroethene	< 5.0	< 1.0	--	< 5.0	< 5.0
Trichlorofluoromethane	< 5.0	--	--	< 5.0	< 5.0
Trichlorotrifluoroethane	< 5.0	--	--	< 5.0	< 5.0
Vinyl acetate	< 50	< 5.0	--	< 50	< 50
Vinyl chloride	< 5.0	< 3.0	--	< 5.0	< 5.0
Xylenes (Total)	< 5.0	< 2.0	< 0.0050	< 5.0	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-34	MFC-35	MFC-35	MFC-35	MFC-35
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/25/02	37340.0	3/25/02	3/25/02
DEPTH [1]	6.0	1.0	2.0	5.0	5.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	--	< 5.0	< 5.0	--
1,1,1-Trichloroethane	< 1.0	--	< 5.0	< 5.0	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	--	< 5.0	< 5.0	< 1.0
1,1,2-Trichloroethane	< 1.0	--	< 5.0	< 5.0	< 1.0
1,1-Dichloroethane	< 1.0	--	< 5.0	< 5.0	< 1.0
1,1-Dichloroethene	< 1.0	--	< 5.0	< 5.0	< 1.0
1,1-Dichloropropene	--	--	< 5.0	< 5.0	--
1,2,3-Trichlorobenzene	--	--	< 5.0	< 5.0	--
1,2,4-Trichlorobenzene	--	--	< 5.0	< 5.0	--
1,2,4-Trimethylbenzene	--	--	< 5.0	< 5.0	--
1,2-Dibromo-3-chloropropane	--	--	< 50	< 50	--
1,2-Dibromoethane	--	--	< 10	< 10	--
1,2-Dichlorobenzene	--	--	< 5.0	< 5.0	--
1,2-Dichloroethane	< 2.0	--	< 5.0	< 5.0	< 2.0
1,2-Dichloropropane	< 2.0	--	< 5.0	< 5.0	< 2.0
1,3,5-Trimethylbenzene	--	--	< 5.0	< 5.0	--
1,3-Dichlorobenzene	--	--	< 5.0	< 5.0	--
1,3-Dichloropropane	--	--	< 5.0	< 5.0	--
1,4-Dichlorobenzene	--	--	< 5.0	< 5.0	--
2,2-Dichloropropane	--	--	< 5.0	< 5.0	--
2-Butanone(MEK)	< 10.0	--	< 50	< 50	< 10.0
2-Chloroethylvinyl ether	--	--	< 50	< 50	--
2-Chlorotoluene	--	--	< 5.0	< 5.0	--
2-Hexanone	< 2.0	--	< 50	< 50	< 2.0
4-Chlorotoluene	--	--	< 5.0	< 5.0	--
4-Methyl-2-pentanone (MIBK)	< 2.0	--	< 50	< 50	< 2.0
Acetone	< 5.0	--	< 50	< 50	< 5.0
Benzene	< 1.0	< 0.0050	< 5.0	< 5.0	< 1.0
Bromobenzene	--	--	< 5.0	< 5.0	--
Bromochloromethane	--	--	< 20	< 20	--
Bromodichloromethane	< 1.0	--	< 5.0	< 5.0	< 1.0
Bromoform	< 1.0	--	< 5.0	< 5.0	< 1.0
Bromomethane	< 2.0	--	< 10	< 10	< 2.0
Carbon disulfide	< 1.0	--	< 5.0	< 5.0	< 1.0
Carbon tetrachloride	< 1.0	--	< 5.0	< 5.0	< 1.0
Chlorobenzene	< 1.0	--	< 5.0	< 5.0	< 1.0
Chloroethane	< 2.0	--	< 10	< 10	< 2.0
Chloroform	< 2.0	--	< 5.0	< 5.0	< 2.0
Chloromethane	< 2.0	--	< 10	< 10	< 2.0
cis-1,2-Dichloroethene	< 1.0	--	< 5.0	< 5.0	< 1.0
cis-1,3-Dichloropropene	< 1.0	--	< 5.0	< 5.0	< 1.0
Dibromochloromethane	< 1.0	--	< 5.0	< 5.0	< 1.0
Dibromomethane	--	--	< 10	< 10	--
Dichlorodifluoromethane	--	--	< 10	< 10	--
di-Isopropyl Ether (DIPE)	< 2.0	--	--	--	< 2.0
Ethanol	< 200.0	--	--	--	< 200.0
Ethyl tert-Butyl Ether (ETBE)	< 2.0	--	--	--	< 2.0
Ethylbenzene	< 1.0	< 0.0050	< 5.0	< 5.0	< 1.0
Hexachlorobutadiene	--	--	< 5.0	< 5.0	--
Isopropylbenzene	--	--	5.1	< 5.0	--
Methylene chloride	--	--	< 5.0	< 5.0	--
MTBE	< 1.0	--	< 5.0	< 5.0	< 1.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-34	MFC-35	MFC-35	MFC-35	MFC-35
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/25/02	37340.0	3/25/02	3/25/02
DEPTH [1]	6.0	1.0	2.0	5.0	5.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	--	< 10	< 10	--
n-Butylbenzene	--	--	< 5.0	< 5.0	--
n-Propylbenzene	< 2.0	--	**5.7**	< 5.0	< 2.0
p-Isopropyltoluene	--	--	< 5.0	< 5.0	--
sec-Butylbenzene	--	--	**20**	< 5.0	--
Styrene	< 1.0	--	< 5.0	< 5.0	< 1.0
tert-Amyl Ethyl Ether (TAME)	< 2.0	--	--	--	< 2.0
tert-Butylbenzene	--	--	< 5.0	< 5.0	--
Tertiary Butanol (TBA)	< 50.0	--	--	--	< 50.0
Tetrachloroethene	< 1.0	--	< 5.0	< 5.0	< 1.0
Toluene	< 1.0	< 0.0050	< 5.0	< 5.0	< 1.1
trans-1,2-Dichloroethene	< 1.0	--	< 5.0	< 5.0	< 1.2
trans-1,3-Dichloropropene	< 1.0	--	< 5.0	< 5.0	< 1.3
Trichloroethene	< 1.0	--	< 5.0	< 5.0	< 1.4
Trichlorofluoromethane	--	--	< 5.0	< 5.0	--
Trichlorotrifluoroethane	--	--	< 5.0	< 5.0	--
Vinyl acetate	< 5.0	--	< 50	< 50	< 5.0
Vinyl chloride	< 3.0	--	< 5.0	< 5.0	< 3.0
Xylenes (Total)	< 2.0	< 0.0050	< 5.0	< 5.0	< 2.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-36	MFC-37	MFC-37	MFC-37	MFC-38
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/25/02	3/25/02	3/25/02	3/26/02
DEPTH[1]	4.5	1.5	4.5	5.0	1.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	--	< 17	--	--
1,1,1-Trichloroethane	< 5.0	--	< 17	< 1.0	--
1,1,2,2-Tetrachloroethane	< 5.0	--	< 17	< 1.0	--
1,1,2-Trichloroethane	< 5.0	--	< 17	< 1.0	--
1,1-Dichloroethane	< 5.0	--	< 17	< 1.0	--
1,1-Dichloroethene	< 5.0	--	< 17	< 1.0	--
1,1-Dichloropropene	< 5.0	--	< 17	--	--
1,2,3-Trichlorobenzene	< 5.0	--	< 17	--	--
1,2,4-Trichlorobenzene	< 5.0	--	< 17	--	--
1,2,4-Trimethylbenzene	< 5.0	--	< 17	--	--
1,2-Dibromo-3-chloropropane	< 50	--	< 170	--	--
1,2-Dibromoethane	< 10	--	< 34	--	--
1,2-Dichlorobenzene	< 5.0	--	< 17	--	--
1,2-Dichloroethane	< 5.0	--	< 17	< 2.0	--
1,2-Dichloropropane	< 5.0	--	< 17	< 2.0	--
1,3,5-Trimethylbenzene	< 5.0	--	< 17	--	--
1,3-Dichlorobenzene	< 5.0	--	< 17	--	--
1,3-Dichloropropane	< 5.0	--	< 17	--	--
1,4-Dichlorobenzene	< 5.0	--	< 17	--	--
2,2-Dichloropropane	< 5.0	--	< 17	--	--
2-Butanone(MEK)	< 50	--	< 170	< 10.0	--
2-Chloroethylvinyl ether	< 50	--	< 170	--	--
2-Chlorotoluene	< 5.0	--	< 17	--	--
2-Hexanone	< 50	--	< 170	< 2.0	--
4-Chlorotoluene	< 5.0	--	< 17	--	--
4-Methyl-2-pentanone (MIBK)	< 50	--	< 170	< 2.0	--
Acetone	**55**	--	< 170	< 5.0	--
Benzene	< 5.0	< 0.0050	< 17	< 1.0	< 0.0050
Bromobenzene	< 5.0	--	< 17	--	--
Bromochloromethane	< 20	--	< 69	--	--
Bromodichloromethane	< 5.0	--	< 17	< 1.0	--
Bromoform	< 5.0	--	< 17	< 1.0	--
Bromomethane	< 10	--	< 34	< 2.0	--
Carbon disulfide	< 5.0	--	< 17	< 1.0	--
Carbon tetrachloride	< 5.0	--	< 17	< 1.0	--
Chlorobenzene	< 5.0	--	< 17	< 1.0	--
Chloroethane	< 10	--	< 34	< 2.0	--
Chloroform	< 5.0	--	< 17	< 2.0	--
Chloromethane	< 10	--	< 34	< 2.0	--
cis-1,2-Dichloroethene	< 5.0	--	< 17	< 1.0	--
cis-1,3-Dichloropropene	< 5.0	--	< 17	< 1.0	--
Dibromochloromethane	< 5.0	--	< 17	< 1.0	--
Dibromomethane	< 10	--	< 34	--	--
Dichlorodifluoromethane	< 10	--	< 34	--	--
di-Isopropyl Ether (DIPE)	--	--	--	< 2.0	--
Ethanol	--	--	--	< 200.0	--
Ethyl tert-Butyl Ether (ETBE)	--	--	--	< 2.0	--
Ethylbenzene	< 5.0	< 0.0050	< 17	< 1.0	< 0.0050
Hexachlorobutadiene	< 5.0	--	< 17	--	--
Isopropylbenzene	< 5.0	--	**98**	--	--
Methylene chloride	< 5.0	--	< 17	--	--
MTBE	**23**	--	< 17	< 1.0	--

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-36	MFC-37	MFC-37	MFC-37	MFC-38
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/25/02	3/25/02	3/25/02	3/26/02
DEPTH[1]	4.5	1.5	4.5	5.0	1.0
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	--	**240**	--	--
n-Butylbenzene	< 5.0	--	**170**	--	--
n-Propylbenzene	< 5.0	--	**170**	< 2.0	--
p-Isopropyltoluene	< 5.0	--	< 17	--	--
sec-Butylbenzene	< 5.0	--	**120**	--	--
Styrene	< 5.0	--	< 17	< 1.0	--
tert-Amyl Ethyl Ether (TAME)	--	--	--	< 2.0	--
tert-Butylbenzene	< 5.0	--	< 17	--	--
Tertiary Butanol (TBA)	--	--	--	< 50.0	--
Tetrachloroethene	< 5.0	--	< 17	< 1.0	--
Toluene	< 5.0	< 0.0050	< 17	< 1.0	< 0.0050
trans-1,2-Dichloroethene	< 5.0	--	< 17	< 1.0	--
trans-1,3-Dichloropropene	< 5.0	--	< 17	< 1.0	--
Trichloroethene	< 5.0	--	< 17	< 1.0	--
Trichlorofluoromethane	< 5.0	--	< 17	--	--
Trichlorotrifluoroethane	< 5.0	--	< 17	--	--
Vinyl acetate	< 50	--	< 170	< 5.0	--
Vinyl chloride	< 5.0	--	< 17	< 3.0	--
Xylenes (Total)	< 5.0	< 0.0050	< 17	< 2.0	< 0.0050

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-38	MFC-38	MFC-38	MFC-39	MFC-40
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	2.5	5.0	5.5	1.5	1.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	< 5.0	--	--	--
1,1,1-Trichloroethane	< 5.0	< 5.0	< 1.0	--	--
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 1.0	--	--
1,1,2-Trichloroethane	< 5.0	< 5.0	< 1.0	--	--
1,1-Dichloroethane	< 5.0	< 5.0	< 1.0	--	--
1,1-Dichloroethene	< 5.0	< 5.0	< 1.0	--	--
1,1-Dichloropropene	< 5.0	< 5.0	--	--	--
1,2,3-Trichlorobenzene	< 5.0	< 5.0	--	--	--
1,2,4-Trichlorobenzene	< 5.0	< 5.0	--	--	--
1,2,4-Trimethylbenzene	< 5.0	< 5.0	--	--	--
1,2-Dibromo-3-chloropropane	< 50	< 50	--	--	--
1,2-Dibromoethane	< 10	< 10	--	--	--
1,2-Dichlorobenzene	< 5.0	< 5.0	--	--	--
1,2-Dichloroethane	< 5.0	< 5.0	< 2.0	--	--
1,2-Dichloropropane	< 5.0	< 5.0	< 2.0	--	--
1,3,5-Trimethylbenzene	< 5.0	< 5.0	--	--	--
1,3-Dichlorobenzene	< 5.0	< 5.0	--	--	--
1,3-Dichloropropane	< 5.0	< 5.0	--	--	--
1,4-Dichlorobenzene	< 5.0	< 5.0	--	--	--
2,2-Dichloropropane	< 5.0	< 5.0	--	--	--
2-Butanone(MEK)	< 50	< 50	< 10.0	--	--
2-Chloroethylvinyl ether	< 50	< 50	--	--	--
2-Chlorotoluene	< 5.0	< 5.0	--	--	--
2-Hexanone	< 50	< 50	< 2.0	--	--
4-Chlorotoluene	< 5.0	< 5.0	--	--	--
4-Methyl-2-pentanone (MIBK)	< 50	< 50	< 2.0	--	--
Acetone	< 50	< 50	< 5.0	--	--
Benzene	< 5.0	< 5.0	< 1.0	< 0.0050	< 0.0050
Bromobenzene	< 5.0	< 5.0	--	--	--
Bromochloromethane	< 20	< 20	--	--	--
Bromodichloromethane	< 5.0	< 5.0	< 1.0	--	--
Bromoform	< 5.0	< 5.0	< 1.0	--	--
Bromomethane	< 10	< 10	< 2.0	--	--
Carbon disulfide	< 5.0	< 5.0	< 1.0	--	--
Carbon tetrachloride	< 5.0	< 5.0	< 1.0	--	--
Chlorobenzene	< 5.0	< 5.0	< 1.0	--	--
Chloroethane	< 10	< 10	< 2.0	--	--
Chloroform	< 5.0	< 5.0	< 2.0	--	--
Chloromethane	< 10	< 10	< 2.0	--	--
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 1.0	--	--
cis-1,3-Dichloropropene	< 5.0	< 5.0	< 1.0	--	--
Dibromochloromethane	< 5.0	< 5.0	< 1.0	--	--
Dibromomethane	< 10	< 10	--	--	--
Dichlorodifluoromethane	< 10	< 10	--	--	--
di-Isopropyl Ether (DIPE)	--	--	< 2.0	--	--
Ethanol	--	--	< 200.0	--	--
Ethyl tert-Butyl Ether (ETBE)	--	--	< 2.0	--	--
Ethylbenzene	< 5.0	< 5.0	< 1.0	< 0.0050	< 0.0050
Hexachlorobutadiene	< 5.0	< 5.0	--	--	--
Isopropylbenzene	< 5.0	< 5.0	--	--	--
Methylene chloride	< 5.0	< 5.0	--	--	--
MTBE	< 5.0	< 5.0	< 1.0	--	--

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-38	MFC-38	MFC-38	MFC-39	MFC-40
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	2.5	5.0	5.5	1.5	1.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	< 10	--	--	--
n-Butylbenzene	< 5.0	< 5.0	--	--	--
n-Propylbenzene	< 5.0	< 5.0	< 2.0	--	--
p-Isopropyltoluene	< 5.0	< 5.0	--	--	--
sec-Butylbenzene	< 5.0	< 5.0	--	--	--
Styrene	< 5.0	< 5.0	< 1.0	--	--
tert-Amyl Ethyl Ether (TAME)	--	--	< 2.0	--	--
tert-Butylbenzene	< 5.0	< 5.0	--	--	--
Tertiary Butanol (TBA)	--	--	< 50.0	--	--
Tetrachloroethene	< 5.0	< 5.0	< 1.0	--	--
Toluene	< 5.0	< 5.0	< 1.0	< 0.0050	< 0.0050
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 1.0	--	--
trans-1,3-Dichloropropene	< 5.0	< 5.0	< 1.0	--	--
Trichloroethene	< 5.0	< 5.0	< 1.0	--	--
Trichlorofluoromethane	< 5.0	< 5.0	--	--	--
Trichlorotrifluoroethane	< 5.0	< 5.0	--	--	--
Vinyl acetate	< 50	< 50	< 5.0	--	--
Vinyl chloride	< 5.0	< 5.0	< 3.0	--	--
Xylenes (Total)	< 5.0	< 5.0	< 2.0	< 0.0050	< 0.0050

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-40	MFC-40	MFC-40	MFC-41	MFC-41
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	5.0	3.0	4.5	1.5	2.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	< 5.0	< 5.0	--	< 5.0
1,1,1-Trichloroethane	< 1.0	< 5.0	< 5.0	--	< 5.0
1,1,2,2-Tetrachloroethane	< 1.0	< 5.0	< 5.0	--	< 5.0
1,1,2-Trichloroethane	< 1.0	< 5.0	< 5.0	--	< 5.0
1,1-Dichloroethane	< 1.0	< 5.0	< 5.0	--	< 5.0
1,1-Dichloroethene	< 1.0	< 5.0	< 5.0	--	< 5.0
1,1-Dichloropropene	--	< 5.0	< 5.0	--	< 5.0
1,2,3-Trichlorobenzene	--	< 5.0	< 5.0	--	< 5.0
1,2,4-Trichlorobenzene	--	< 5.0	< 5.0	--	< 5.0
1,2,4-Trimethylbenzene	--	< 5.0	< 5.0	--	< 5.0
1,2-Dibromo-3-chloropropane	--	< 50	< 50	--	< 50
1,2-Dibromoethane	--	< 10	< 10	--	< 10
1,2-Dichlorobenzene	--	< 5.0	< 5.0	--	< 5.0
1,2-Dichloroethane	< 2.0	< 5.0	< 5.0	--	< 5.0
1,2-Dichloropropane	< 2.0	< 5.0	< 5.0	--	< 5.0
1,3,5-Trimethylbenzene	--	< 5.0	< 5.0	--	< 5.0
1,3-Dichlorobenzene	--	< 5.0	< 5.0	--	< 5.0
1,3-Dichloropropane	--	< 5.0	< 5.0	--	< 5.0
1,4-Dichlorobenzene	--	< 5.0	< 5.0	--	< 5.0
2,2-Dichloropropane	--	< 5.0	< 5.0	--	< 5.0
2-Butanone(MEK)	< 10.0	< 50	< 50	--	< 50
2-Chloroethylvinyl ether	--	< 50	< 50	--	< 50
2-Chlorotoluene	--	< 5.0	< 5.0	--	< 5.0
2-Hexanone	< 2.0	< 50	< 50	--	< 50
4-Chlorotoluene	--	< 5.0	< 5.0	--	< 5.0
4-Methyl-2-pentanone (MIBK)	< 2.0	< 50	< 50	--	< 50
Acetone	< 5.0	< 50	< 50	--	< 50
Benzene	< 1.0	< 5.0	< 5.0	< 0.0050	< 5.0
Bromobenzene	--	< 5.0	< 5.0	--	< 5.0
Bromochloromethane	--	< 20	< 20	--	< 20
Bromodichloromethane	< 1.0	< 5.0	< 5.0	--	< 5.0
Bromoform	< 1.0	< 5.0	< 5.0	--	< 5.0
Bromomethane	< 2.0	< 10	< 10	--	< 10
Carbon disulfide	< 1.0	< 5.0	< 5.0	--	< 5.0
Carbon tetrachloride	< 1.0	< 5.0	< 5.0	--	< 5.0
Chlorobenzene	< 1.0	< 5.0	< 5.0	--	< 5.0
Chloroethane	< 2.0	< 10	< 10	--	< 10
Chloroform	< 2.0	< 5.0	< 5.0	--	< 5.0
Chloromethane	< 2.0	< 10	< 10	--	< 10
cis-1,2-Dichloroethene	< 1.0	< 5.0	< 5.0	--	< 5.0
cis-1,3-Dichloropropene	< 1.0	< 5.0	< 5.0	--	< 5.0
Dibromochloromethane	< 1.0	< 5.0	< 5.0	--	< 5.0
Dibromomethane	--	< 10	< 10	--	< 10
Dichlorodifluoromethane	--	< 10	< 10	--	< 10
di-Isopropyl Ether (DIPE)	< 2.0	--	--	--	--
Ethanol	< 200.0	--	--	--	--
Ethyl tert-Butyl Ether (ETBE)	< 2.0	--	--	--	--
Ethylbenzene	< 1.0	< 5.0	< 5.0	< 0.0050	< 5.0
Hexachlorobutadiene	--	< 5.0	< 5.0	--	< 5.0
Isopropylbenzene	--	< 5.0	< 5.0	--	< 5.0
Methylene chloride	--	< 5.0	< 5.0	--	< 5.0
MTBE	< 1.0	< 5.0	< 5.0	--	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-40	MFC-40	MFC-40	MFC-41	MFC-41
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	5.0	3.0	4.5	1.5	2.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	< 10	< 10	--	< 10
n-Butylbenzene	--	< 5.0	< 5.0	--	< 5.0
n-Propylbenzene	< 2.0	< 5.0	< 5.0	--	< 5.0
p-Isopropyltoluene	--	< 5.0	< 5.0	--	< 5.0
sec-Butylbenzene	--	< 5.0	< 5.0	--	< 5.0
Styrene	< 1.0	< 5.0	< 5.0	--	< 5.0
tert-Amyl Ethyl Ether (TAME)	< 2.0	--	--	--	--
tert-Butylbenzene	--	< 5.0	< 5.0	--	< 5.0
Tertiary Butanol (TBA)	< 50.0	--	--	--	--
Tetrachloroethene	< 1.0	< 5.0	< 5.0	--	< 5.0
Toluene	< 1.0	< 5.0	< 5.0	< 0.0050	< 5.0
trans-1,2-Dichloroethene	< 1.0	< 5.0	< 5.0	--	< 5.0
trans-1,3-Dichloropropene	< 1.0	< 5.0	< 5.0	--	< 5.0
Trichloroethene	< 1.0	< 5.0	< 5.0	--	< 5.0
Trichlorofluoromethane	--	< 5.0	< 5.0	--	< 5.0
Trichlorotrifluoroethane	--	< 5.0	< 5.0	--	< 5.0
Vinyl acetate	< 5.0	< 50	< 50	--	< 50
Vinyl chloride	< 3.0	< 5.0	< 5.0	--	< 5.0
Xylenes (Total)	< 2.0	< 5.0	< 5.0	< 0.0050	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-41	MFC-41	MFC-43	MFC-44	MFC-44
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/28/02	3/26/02	3/26/02
DEPTH[1]	4.0	4.5	4.5	1.5	4.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	< 5.0	--	< 5.0	--	< 5.0
1,1,1-Trichloroethane	< 5.0	< 1.0	< 5.0	--	< 5.0
1,1,2,2-Tetrachloroethane	< 5.0	< 1.0	< 5.0	--	< 5.0
1,1,2-Trichloroethane	< 5.0	< 1.0	< 5.0	--	< 5.0
1,1-Dichloroethane	< 5.0	< 1.0	< 5.0	--	< 5.0
1,1-Dichloroethene	< 5.0	< 1.0	< 5.0	--	< 5.0
1,1-Dichloropropene	< 5.0	--	< 5.0	--	< 5.0
1,2,3-Trichlorobenzene	< 5.0	--	< 5.0	--	< 5.0
1,2,4-Trichlorobenzene	< 5.0	--	< 5.0	--	< 5.0
1,2,4-Trimethylbenzene	< 5.0	--	< 5.0	--	< 5.0
1,2-Dibromo-3-chloropropane	< 50	--	< 50	--	< 50
1,2-Dibromoethane	< 10	--	< 10	--	< 10
1,2-Dichlorobenzene	< 5.0	--	< 5.0	--	< 5.0
1,2-Dichloroethane	< 5.0	< 2.0	< 5.0	--	< 5.0
1,2-Dichloropropane	< 5.0	< 2.0	< 5.0	--	< 5.0
1,3,5-Trimethylbenzene	< 5.0	--	< 5.0	--	< 5.0
1,3-Dichlorobenzene	< 5.0	--	< 5.0	--	< 5.0
1,3-Dichloropropane	< 5.0	--	< 5.0	--	< 5.0
1,4-Dichlorobenzene	< 5.0	--	< 5.0	--	< 5.0
2,2-Dichloropropane	< 5.0	--	< 5.0	--	< 5.0
2-Butanone(MEK)	< 50	< 10.0	< 50	--	< 50
2-Chloroethylvinyl ether	< 50	--	< 50	--	< 50
2-Chlorotoluene	< 5.0	--	< 5.0	--	< 5.0
2-Hexanone	< 50	< 2.0	< 50	--	< 50
4-Chlorotoluene	< 5.0	--	< 5.0	--	< 5.0
4-Methyl-2-pentanone (MIBK)	< 50	< 2.0	< 50	--	< 50
Acetone	< 50	< 5.0	< 50	--	< 50
Benzene	< 5.0	< 1.0	< 5.0	< 0.0050	< 5.0
Bromobenzene	< 5.0	--	< 5.0	--	< 5.0
Bromochloromethane	< 20	--	< 20	--	< 20
Bromodichloromethane	< 5.0	< 1.0	< 5.0	--	< 5.0
Bromoform	< 5.0	< 1.0	< 5.0	--	< 5.0
Bromomethane	< 10	< 2.0	< 10	--	< 10
Carbon disulfide	< 5.0	< 1.0	< 5.0	--	< 5.0
Carbon tetrachloride	< 5.0	< 1.0	< 5.0	--	< 5.0
Chlorobenzene	< 5.0	< 1.0	< 5.0	--	< 5.0
Chloroethane	< 10	< 2.0	< 10	--	< 10
Chloroform	< 5.0	< 2.0	< 5.0	--	< 5.0
Chloromethane	< 10	< 2.0	< 10	--	< 10
cis-1,2-Dichloroethene	< 5.0	< 1.0	< 5.0	--	< 5.0
cis-1,3-Dichloropropene	< 5.0	< 1.0	< 5.0	--	< 5.0
Dibromochloromethane	< 5.0	< 1.0	< 5.0	--	< 5.0
Dibromomethane	< 10	--	< 10	--	< 10
Dichlorodifluoromethane	< 10	--	< 10	--	< 10
di-Isopropyl Ether (DIPE)	--	< 2.0	--	--	--
Ethanol	--	< 200.0	--	--	--
Ethyl tert-Butyl Ether (ETBE)	--	< 2.0	--	--	--
Ethylbenzene	< 5.0	< 1.0	< 5.0	< 0.0050	< 5.0
Hexachlorobutadiene	< 5.0	--	< 5.0	--	< 5.0
Isopropylbenzene	< 5.0	--	< 5.0	--	< 5.0
Methylene chloride	< 5.0	--	< 5.0	--	< 5.0
MTBE	< 5.0	< 1.0	5.3	--	< 5.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-41	MFC-41	MFC-43	MFC-44	MFC-44
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/28/02	3/26/02	3/26/02
DEPTH [1]	4.0	4.5	4.5	1.5	4.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	< 10	--	< 10	--	< 10
n-Butylbenzene	< 5.0	--	< 5.0	--	< 5.0
n-Propylbenzene	< 5.0	< 2.0	< 5.0	--	< 5.0
p-Isopropyltoluene	< 5.0	--	< 5.0	--	< 5.0
sec-Butylbenzene	< 5.0	--	< 5.0	--	< 5.0
Styrene	< 5.0	< 1.0	< 5.0	--	< 5.0
tert-Amyl Ethyl Ether (TAME)	--	< 2.0	--	--	--
tert-Butylbenzene	< 5.0	--	< 5.0	--	< 5.0
Tertiary Butanol (TBA)	--	< 50.0	--	--	--
Tetrachloroethene	< 5.0	< 1.0	< 5.0	--	< 5.0
Toluene	< 5.0	**1.6**	< 5.0	< 0.0050	< 5.0
trans-1,2-Dichloroethene	< 5.0	< 1.0	< 5.0	--	< 5.0
trans-1,3-Dichloropropene	< 5.0	< 1.0	< 5.0	--	< 5.0
Trichloroethene	< 5.0	< 1.0	< 5.0	--	< 5.0
Trichlorofluoromethane	< 5.0	--	< 5.0	--	< 5.0
Trichlorotrifluoroethane	< 5.0	--	< 5.0	--	< 5.0
Vinyl acetate	< 50	< 5.0	< 50	--	< 50
Vinyl chloride	< 5.0	< 3.0	< 5.0	--	< 5.0
Xylenes (Total)	< 5.0	< 2.0	< 5.0	< 0.0050	< 5.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-44	MFC-45	MFC-46	MFC-46	MFC-46
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/28/02	3/27/02	3/27/02	3/27/02
DEPTH [1]	5.0	4.5	4.0	7.0	7.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
1,1,1,2-Tetrachloroethane	--	< 5.0	< 5.0	< 5.0	--
1,1,1-Trichloroethane	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
1,1,2-Trichloroethane	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
1,1-Dichloroethane	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
1,1-Dichlorocthene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
1,1-Dichloropropene	--	< 5.0	< 5.0	< 5.0	--
1,2,3-Trichlorobenzene	--	< 5.0	< 5.0	< 5.0	--
1,2,4-Trichlorobenzene	--	< 5.0	< 5.0	< 5.0	--
1,2,4-Trimethylbenzene	--	< 5.0	< 5.0	< 5.0	--
1,2-Dibromo-3-chloropropane	--	< 50	< 50	< 50	--
1,2-Dibromoethane	--	< 10	< 10	< 10	--
1,2-Dichlorobenzene	--	< 5.0	< 5.0	< 5.0	--
1,2-Dichloroethane	< 2.0	< 5.0	< 5.0	< 5.0	< 2.0
1,2-Dichloropropane	< 2.0	< 5.0	< 5.0	< 5.0	< 2.0
1,3,5-Trimethylbenzene	--	< 5.0	< 5.0	< 5.0	--
1,3-Dichlorobenzene	--	< 5.0	< 5.0	< 5.0	--
1,3-Dichloropropane	--	< 5.0	< 5.0	< 5.0	--
1,4-Dichlorobenzene	--	< 5.0	< 5.0	< 5.0	--
2,2-Dichloropropane	--	< 5.0	< 5.0	< 5.0	--
2-Butanone(MEK)	< 10.0	< 50	< 50	< 50	< 10.0
2-Chloroethylvinyl ether	--	< 50	< 50	< 50	--
2-Chlorotoluene	--	< 5.0	< 5.0	< 5.0	--
2-Hexanone	< 2.0	< 50	< 50	< 50	< 2.0
4-Chlorotoluene	--	< 5.0	< 5.0	< 5.0	--
4-Methyl-2-pentanone (MIBK)	< 2.0	< 50	< 50	< 50	< 2.0
Acetone	< 5.0	< 50	< 50	< 50	< 5.0
Benzene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Bromobenzene	--	< 5.0	< 5.0	< 5.0	--
Bromochloromethane	--	< 20	< 20	< 20	--
Bromodichloromethane	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Bromoform	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Bromomethane	< 2.0	< 10	< 10	< 10	< 2.0
Carbon disulfide	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Carbon tetrachloride	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Chlorobenzene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Chloroethane	< 2.0	< 10	< 10	< 10	< 2.0
Chloroform	< 2.0	< 5.0	< 5.0	< 5.0	< 2.0
Chloromethane	< 2.0	< 10	< 10	< 10	< 2.0
cis-1,2-Dichloroethene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
cis-1,3-Dichloropropene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Dibromochloromethane	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Dibromomethane	--	< 10	< 10	< 10	--
Dichlorodifluoromethane	--	< 10	< 10	< 10	--
di-Isopropyl Ether (DIPE)	< 2.0	--	--	--	< 2.0
Ethanol	< 200.0	--	--	--	< 200.0
Ethyl tert-Butyl Ether (ETBE)	< 2.0	--	--	--	< 2.0
Ethylbenzene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Hexachlorobutadiene	--	< 5.0	< 5.0	< 5.0	--
Isopropylbenzene	--	< 5.0	< 5.0	< 5.0	--
Methylene chloride	--	< 5.0	< 5.0	< 5.0	--
MTBE	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0

TABLE 5: SOIL CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-44	MFC-45	MFC-46	MFC-46	MFC-46
MATRIX	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/28/02	3/27/02	3/27/02	3/27/02
DEPTH [1]	5.0	4.5	4.0	7.0	7.5
UNITS	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
(Continued)					
Naphthalene	--	< 10	< 10	< 10	--
n-Butylbenzene	--	< 5.0	< 5.0	< 5.0	--
n-Propylbenzene	< 2.0	< 5.0	< 5.0	< 5.0	< 2.0
p-Isopropyltoluene	--	< 5.0	< 5.0	< 5.0	--
sec-Butylbenzene	--	< 5.0	< 5.0	< 5.0	--
Styrene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
tert-Amyl Ethyl Ether (TAME)	< 2.0	--	--	--	< 2.0
tert-Butylbenzene	--	< 5.0	< 5.0	< 5.0	--
Tertiary Butanol (TBA)	< 50.0	--	--	--	< 50.0
Tetrachloroethene	< 1.0	< 5.0	< 5.0	**6.6**	< 1.0
Toluene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
trans-1,2-Dichloroethene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
trans-1,3-Dichloropropene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Trichloroethene	< 1.0	< 5.0	< 5.0	< 5.0	< 1.0
Trichlorofluoromethane	--	< 5.0	< 5.0	< 5.0	--
Trichlorotrifluoroethane	--	< 5.0	< 5.0	< 5.0	--
Vinyl acetate	< 5.0	< 50	< 50	< 50	< 5.0
Vinyl chloride	< 3.0	< 5.0	< 5.0	< 5.0	< 3.0
Xylenes (Total)	< 2.0	< 5.0	< 5.0	< 5.0	< 2.0

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs)

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

-- = Not Analyzed

µg/kg = micrograms per kilogram

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-02	MFC-03	MFC-04	MFC-05	MFC-06
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/28/02	3/28/02	3/27/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
1,1,2-Trichloroethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
1,1-Dichloroethene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
1,1-Dichloropropene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
1,2,3-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
1,2,4-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
1,2,4-Trimethylbenzene	< 0.50	< 0.50	< 0.50	**7.4**	< 0.50	--
1,2-Dibromo-3-chloropropane	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
1,2-Dibromoethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
1,2-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 2.0
1,2-Dichloropropane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 2.0
1,3,5-Trimethylbenzene	< 0.50	< 0.50	< 0.50	**2.0**	< 0.50	--
1,3-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
1,3-Dichloropropane	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
1,4-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
2,2-Dichloropropane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
2-Butanone(MEK)	< 50	< 50	< 50	< 200	< 50	< 10.0
2-Chloroethylvinyl ether	< 5.0	< 5.0	< 5.0	< 20	< 5.0	--
2-Chlorotoluene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
2-Hexanone	< 50	< 50	< 50	< 200	< 50	< 2.0
4-Chlorotoluene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
4-Methyl-2-pentanone (MIBK)	< 50	< 50	< 50	< 200	< 50	< 2.0
Acetone	< 50	< 50	< 50	< 200	< 50	< 5.0
Benzene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
Bromobenzene	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
Bromochloromethane	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
Bromodichloromethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
Bromoform	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
Bromomethane	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0
Carbon disulfide	< 5.0	< 5.0	< 5.0	< 20	< 5.0	< 1.0
Carbon tetrachloride	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
Chloroethane	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0
Chloroform	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0
Chloromethane	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 2.0
cis-1,2-Dichloroethene	**1.2**	< 0.50	< 0.50	**130**	< 0.50	< 1.0
cis-1,3-Dichloropropene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
Dibromochloromethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
Dibromomethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
Dichlorodifluoromethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
di-Isopropyl Ether (DIPE)	--	--	--	--	--	< 2.0
Ethanol	--	--	--	--	--	< 200.0
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--	< 2.0
Ethylbenzene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
Hexachlorobutadiene	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
Isopropylbenzene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
Methylene chloride	< 5.0	< 5.0	< 5.0	< 20	< 5.0	< 1.0
MTBE	< 5.0	< 5.0	< 5.0	< 20	< 5.0	< 2.0
Naphthalene	< 1.0	< 1.0	< 1.0	**280**	< 1.0	--

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-02	MFC-03	MFC-04	MFC-05	MFC-06
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/28/02	3/28/02	3/27/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
(Continued)						
n-Butylbenzene	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
n-Propylbenzene	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
p-Isopropyltoluene	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
sec-Butylbenzene	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
Styrene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--	< 2.0
tert-Butylbenzene	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
Tertiary Butanol (TBA)	--	--	--	--	--	< 50.0
Tetrachloroethene	< 0.50	< 0.50	< 0.50	**13**	< 0.50	< 1.0
Toluene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
trans-1,3-Dichloropropene	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 1.0
Trichloroethene	< 0.50	< 0.50	< 0.50	**4.0**	< 0.50	< 1.0
Trichlorofluoromethane	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	--
Trichlorotrifluoroethane	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	--
Vinyl acetate	< 25	< 25	< 25	< 100	< 25	< 5.0
Vinyl chloride	< 0.50	< 0.50	< 0.50	< 2.0	< 0.50	< 3.0
Xylenes (Total)	< 1.0	< 1.0	< 1.0	**5.7**	< 1.0	< 2.0

Notes:
GW = Grab Groundwater

All Grab Groundwater samples were collected from temporary wells.

-- = Not Analyzed

µg/L = micrograms per liter

All samples were analyzed for Volatile Organic Compounds (VOCs) be EPA Method 8260(B).

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-07	MFC-08	MFC-09	MFC-11	MFC-12	MFC-13
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/28/02	3/28/02	3/28/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1,2-Tetrachloroethane	--	--	--	--	< 5.0	< 0.50
1,1,1-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	**0.90**
1,1-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	**0.97**
1,1-Dichloropropene	--	--	--	--	< 5.0	< 0.50
1,2,3-Trichlorobenzene	--	--	--	--	< 10	< 1.0
1,2,4-Trichlorobenzene	--	--	--	--	< 10	< 1.0
1,2,4-Trimethylbenzene	--	--	--	--	< 5.0	< 0.50
1,2-Dibromo-3-chloropropane	--	--	--	--	< 10	< 1.0
1,2-Dibromoethane	--	--	--	--	< 5.0	< 0.50
1,2-Dichlorobenzene	--	--	--	--	< 5.0	< 0.50
1,2-Dichloroethane	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 0.50
1,2-Dichloropropane	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 0.50
1,3,5-Trimethylbenzene	--	--	--	--	< 5.0	< 0.50
1,3-Dichlorobenzene	--	--	--	--	< 5.0	< 0.50
1,3-Dichloropropane	--	--	--	--	< 10	< 1.0
1,4-Dichlorobenzene	--	--	--	--	< 5.0	< 0.50
2,2-Dichloropropane	--	--	--	--	< 5.0	< 0.50
2-Butanone(MEK)	< 10.0	< 10.0	< 10.0	< 10.0	< 500	< 50
2-Chloroethylvinyl ether	--	--	--	--	< 50	< 5.0
2-Chlorotoluene	--	--	--	--	< 5.0	< 0.50
2-Hexanone	< 2.0	< 2.0	< 2.0	< 2.0	< 500	< 50
4-Chlorotoluene	--	--	--	--	< 5.0	< 0.50
4-Methyl-2-pentanone (MIBK)	< 2.0	< 2.0	< 2.0	< 2.0	< 500	< 50
Acetone	< 5.0	< 5.0	< 5.0	< 5.0	< 500	< 50
Benzene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
Bromobenzene	--	--	--	--	< 10	< 1.0
Bromochloromethane	--	--	--	--	< 10	< 1.0
Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
Bromoform	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
Bromomethane	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 1.0
Carbon disulfide	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 5.0
Carbon tetrachloride	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
Chloroethane	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 1.0
Chloroform	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 1.0
Chloromethane	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 1.0
cis-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	**26**	**36**
cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
Dibromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
Dibromomethane	--	--	--	--	< 5.0	< 0.50
Dichlorodifluoromethane	--	--	--	--	< 5.0	< 0.50
di-Isopropyl Ether (DIPE)	< 2.0	< 2.0	< 2.0	< 2.0	--	--
Ethanol	< 200.0	< 200.0	< 200.0	< 200.0	--	--
Ethyl tert-Butyl Ether (ETBE)	< 2.0	< 2.0	< 2.0	< 2.0	--	--
Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
Hexachlorobutadiene	--	--	--	--	< 10	< 1.0
Isopropylbenzene	--	--	--	--	**10**	< 0.50
Methylene chloride	< 1.0	< 1.0	< 1.0	< 1.0	< 50	< 5.0
MTBE	< 2.0	< 2.0	< 2.0	< 2.0	< 50	< 5.0
Naphthalene	--	--	--	--	**24**	< 1.0

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-07	MFC-08	MFC-09	MFC-11	MFC-12	MFC-13
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/28/02	3/28/02	3/28/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
(Continued)						
n-Butylbenzene	--	--	--	--	< 10	< 1.0
n-Propylbenzene	--	--	--	--	**21**	< 1.0
p-Isopropyltoluene	--	--	--	--	< 10	< 1.0
sec-Butylbenzene	--	--	--	--	< 10	< 1.0
Styrene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
tert-Amyl Ethyl Ether (TAME)	< 2.0	< 2.0	< 2.0	< 2.0	--	--
tert-Butylbenzene	--	--	--	--	< 10	< 1.0
Tertiary Butanol (TBA)	< 50.0	< 50.0	< 50.0	< 50.0	--	--
Tetrachloroethene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
Toluene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
trans-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	**0.74**
trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 0.50
Trichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	**10**	**29**
Trichlorofluoromethane	--	--	--	--	< 10	< 1.0
Trichlorotrifluoroethane	--	--	--	--	< 5.0	< 0.50
Vinyl acetate	< 5.0	< 5.0	< 5.0	< 5.0	< 250	< 25
Vinyl chloride	**31**	< 3.0	< 3.0	< 3.0	< 5.0	< 0.50
Xylenes (Total)	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 1.0

Notes:
GW = Grab Groundwater

All Grab Groundwater samples were collected from temporary wells.

-- = Not Analyzed

µg/L = micrograms per liter

All samples were analyzed for Volatile Organic Compounds (VOCs) be EPA Method 8260(B).

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-14	MFC-15	MFC-17	MFC-18	MFC-19	MFC-20
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/25/02	3/26/02	3/26/02	3/25/02	3/25/02	3/28/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1,2-Tetrachloroethane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
1,1,1-Trichloroethane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
1,1,2,2-Tetrachloroethane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
1,1,2-Trichloroethane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
1,1-Dichloroethane	< 2.0	**2.8**	< 0.50	< 20	**9.7**	< 1.0
1,1-Dichloroethene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
1,1-Dichloropropene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
1,2,3-Trichlorobenzene	< 4.0	< 4.0	< 1.0	< 40	< 10	--
1,2,4-Trichlorobenzene	< 4.0	< 4.0	< 1.0	< 40	< 10	--
1,2,4-Trimethylbenzene	< 2.0	< 2.0	**0.69**	**50**	< 5.0	--
1,2-Dibromo-3-chloropropane	< 4.0	< 4.0	< 1.0	< 40	< 10	--
1,2-Dibromoethane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
1,2-Dichlorobenzene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
1,2-Dichloroethane	< 2.0	< 2.0	< 0.50	< 20	**11**	< 2.0
1,2-Dichloropropane	**200**	**48**	< 0.50	< 20	< 5.0	< 2.0
1,3,5-Trimethylbenzene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
1,3-Dichlorobenzene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
1,3-Dichloropropane	< 4.0	< 4.0	< 1.0	< 40	< 10	--
1,4-Dichlorobenzene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
2,2-Dichloropropane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
2-Butanone(MEK)	< 200	< 200	< 50	< 2000	< 500	< 10.0
2-Chloroethylvinyl ether	< 20	< 20	< 5.0	< 200	< 50	--
2-Chlorotoluene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
2-Hexanone	< 200	< 200	< 50	< 2000	< 500	< 2.0
4-Chlorotoluene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
4-Methyl-2-pentanone (MIBK)	< 200	< 200	< 50	< 2000	< 500	< 2.0
Acetone	< 200	< 200	< 50	< 2000	< 500	< 5.0
Benzene	< 2.0	< 2.0	< 0.50	**78**	**56**	< 1.0
Bromobenzene	< 4.0	< 4.0	< 1.0	< 40	< 10	--
Bromochloromethane	< 4.0	< 4.0	< 1.0	< 40	< 10	--
Bromodichloromethane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
Bromoform	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
Bromomethane	< 4.0	< 4.0	< 1.0	< 40	< 10	< 2.0
Carbon disulfide	< 20	< 20	< 5.0	< 200	< 50	< 1.0
Carbon tetrachloride	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
Chlorobenzene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
Chloroethane	< 4.0	< 4.0	< 1.0	< 40	**11**	< 2.0
Chloroform	< 4.0	< 4.0	< 1.0	< 40	< 10	< 2.0
Chloromethane	< 4.0	< 4.0	< 1.0	< 40	< 10	< 2.0
cis-1,2-Dichloroethene	**7.2**	**260**	< 0.50	< 20	**650**	< 1.0
cis-1,3-Dichloropropene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
Dibromochloromethane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
Dibromomethane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
Dichlorodifluoromethane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
di-Isopropyl Ether (DIPE)	--	--	--	--	--	< 2.0
Ethanol	--	--	--	--	--	< 200.0
Ethyl tert-Butyl Ether (ETBE)	--	--	--	--	--	< 2.0
Ethylbenzene	< 2.0	< 2.0	< 0.50	**34**	**46**	< 1.0
Hexachlorobutadiene	< 4.0	< 4.0	< 1.0	< 40	< 10	--
Isopropylbenzene	< 2.0	< 2.0	< 0.50	< 20	**22**	--
Methylene chloride	< 20	< 20	< 5.0	< 200	< 50	< 1.0
MTBE	< 20	< 20	< 5.0	< 200	< 50	< 2.0
Naphthalene	< 4.0	< 4.0	**6.0**	**230**	**330**	--

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-14	MFC-15	MFC-17	MFC-18	MFC-19	MFC-20
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/25/02	3/26/02	3/26/02	3/25/02	3/25/02	3/28/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
(Continued)						
n-Butylbenzene	< 4.0	< 4.0	**1.8**	< 40	**19**	--
n-Propylbenzene	< 4.0	< 4.0	< 1.0	< 40	**29**	--
p-Isopropyltoluene	< 4.0	< 4.0	< 1.0	< 40	< 10	--
sec-Butylbenzene	< 4.0	< 4.0	**1.3**	< 40	**12**	--
Styrene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
tert-Amyl Ethyl Ether (TAME)	--	--	--	--	--	< 2.0
tert-Butylbenzene	< 4.0	< 4.0	< 1.0	< 40	< 10	--
Tertiary Butanol (TBA)	--	--	--	--	--	< 50.0
Tetrachloroethene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
Toluene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
trans-1,2-Dichloroethene	< 2.0	**22**	< 0.50	< 20	**130**	< 1.0
trans-1,3-Dichloropropene	< 2.0	< 2.0	< 0.50	< 20	< 5.0	< 1.0
Trichloroethene	**2.7**	**3.2**	< 0.50	< 20	< 5.0	< 1.0
Trichlorofluoromethane	< 4.0	< 4.0	< 1.0	< 40	< 10	--
Trichlorotrifluoroethane	< 2.0	< 2.0	< 0.50	< 20	< 5.0	--
Vinyl acetate	< 100	< 100	< 25	< 1000	< 250	< 5.0
Vinyl chloride	< 2.0	**3.6**	< 0.50	< 20	**180**	< 3.0
Xylenes (Total)	< 4.0	< 4.0	< 1.0	< 40	**11**	< 2.0

Notes:
GW = Grab Groundwater

All Grab Groundwater samples were collected from temporary wells.

-- = Not Analyzed

µg/L = micrograms per liter

All samples were analyzed for Volatile Organic Compounds (VOCs) be EPA Method 8260(B).

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-21	MFC-23	MFC-25	MFC-26	MFC-27	MFC-28
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/25/02	3/25/02	3/28/02	3/28/02	3/28/02	3/28/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1,2-Tetrachloroethane	< 0.50	< 0.50	--	< 0.50	--	< 0.50
1,1,1-Trichloroethane	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
1,1-Dichloropropene	< 0.50	< 0.50	--	< 0.50	--	< 0.50
1,2,3-Trichlorobenzene	< 1.0	< 1.0	--	< 1.0	--	< 1.0
1,2,4-Trichlorobenzene	< 1.0	< 1.0	--	< 1.0	--	< 1.0
1,2,4-Trimethylbenzene	< 0.50	< 0.50	--	< 0.50	--	< 0.50
1,2-Dibromo-3-chloropropane	< 1.0	< 1.0	--	< 1.0	--	< 1.0
1,2-Dibromoethane	< 0.50	< 0.50	--	< 0.50	--	< 0.50
1,2-Dichlorobenzene	< 0.50	< 0.50	--	< 0.50	--	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 2.0	< 0.50	< 2.0	< 0.50
1,2-Dichloropropane	< 0.50	< 0.50	< 2.0	< 0.50	< 2.0	< 0.50
1,3,5-Trimethylbenzene	< 0.50	< 0.50	--	< 0.50	--	< 0.50
1,3-Dichlorobenzene	< 0.50	< 0.50	--	< 0.50	--	< 0.50
1,3-Dichloropropane	< 1.0	< 1.0	--	< 1.0	--	< 1.0
1,4-Dichlorobenzene	< 0.50	< 0.50	--	< 0.50	--	< 0.50
2,2-Dichloropropane	< 0.50	< 0.50	--	< 0.50	--	< 0.50
2-Butanone(MEK)	< 50	< 50	< 10.0	< 50	< 10.0	< 50
2-Chloroethylvinyl ether	< 5.0	< 5.0	--	< 5.0	--	< 5.0
2-Chlorotoluene	< 0.50	< 0.50	--	< 0.50	--	< 0.50
2-Hexanone	< 50	< 50	< 2.0	< 50	< 2.0	< 50
4-Chlorotoluene	< 0.50	< 0.50	--	< 0.50	--	< 0.50
4-Methyl-2-pentanone (MIBK)	< 50	< 50	< 2.0	< 50	< 2.0	< 50
Acetone	< 50	< 50	< 5.0	< 50	< 5.0	< 50
Benzene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Bromobenzene	< 1.0	< 1.0	--	< 1.0	--	< 1.0
Bromochloromethane	< 1.0	< 1.0	--	< 1.0	--	< 1.0
Bromodichloromethane	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Bromoform	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Bromomethane	< 1.0	< 1.0	< 2.0	< 1.0	< 2.0	< 1.0
Carbon disulfide	< 5.0	< 5.0	< 1.0	< 5.0	< 1.0	< 5.0
Carbon tetrachloride	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Chloroethane	< 1.0	< 1.0	< 2.0	< 1.0	< 2.0	< 1.0
Chloroform	< 1.0	< 1.0	< 2.0	< 1.0	< 2.0	< 1.0
Chloromethane	< 1.0	< 1.0	< 2.0	< 1.0	< 2.0	< 1.0
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
cis-1,3-Dichloropropene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Dibromochloromethane	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Dibromomethane	< 0.50	< 0.50	--	< 0.50	--	< 0.50
Dichlorodifluoromethane	< 0.50	< 0.50	--	< 0.50	--	< 0.50
di-Isopropyl Ether (DIPE)	--	--	< 2.0	--	< 2.0	--
Ethanol	--	--	< 200.0	--	< 200.0	--
Ethyl tert-Butyl Ether (ETBE)	--	--	< 2.0	--	< 2.0	--
Ethylbenzene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Hexachlorobutadiene	< 1.0	< 1.0	--	< 1.0	--	< 1.0
Isopropylbenzene	< 0.50	< 0.50	--	< 0.50	--	< 0.50
Methylene chloride	< 5.0	< 5.0	< 1.0	< 5.0	< 1.0	< 5.0
MTBE	< 5.0	< 5.0	< 2.0	< 5.0	< 2.0	< 5.0
Naphthalene	< 1.0	< 1.0	--	< 1.0	--	**4.6**

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-21	MFC-23	MFC-25	MFC-26	MFC-27	MFC-28
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/25/02	3/25/02	3/28/02	3/28/02	3/28/02	3/28/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
(Continued)						
n-Butylbenzene	< 1.0	< 1.0	--	< 1.0	--	< 1.0
n-Propylbenzene	< 1.0	< 1.0	--	< 1.0	--	< 1.0
p-Isopropyltoluene	< 1.0	< 1.0	--	< 1.0	--	< 1.0
sec-Butylbenzene	< 1.0	< 1.0	--	< 1.0	--	< 1.0
Styrene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
tert-Amyl Ethyl Ether (TAME)	--	--	< 2.0	--	< 2.0	--
tert-Butylbenzene	< 1.0	< 1.0	--	< 1.0	--	< 1.0
Tertiary Butanol (TBA)	--	--	< 50.0	--	< 50.0	--
Tetrachloroethene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Toluene	< 0.50	< 0.50	< 1.0	< 0.50	**1.2**	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
trans-1,3-Dichloropropene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Trichloroethene	< 0.50	< 0.50	< 1.0	< 0.50	< 1.0	< 0.50
Trichlorofluoromethane	< 1.0	< 1.0	--	< 1.0	--	< 1.0
Trichlorotrifluoroethane	< 0.50	< 0.50	--	< 0.50	--	< 0.50
Vinyl acetate	< 25	< 25	< 5.0	< 25	< 5.0	< 25
Vinyl chloride	< 0.50	< 0.50	< 3.0	< 0.50	< 3.0	< 0.50
Xylenes (Total)	< 1.0	< 1.0	< 2.0	< 1.0	< 2.0	< 1.0

Notes:
GW = Grab Groundwater

All Grab Groundwater samples were collected from temporary wells.

-- = Not Analyzed

µg/L = micrograms per liter

All samples were analyzed for Volatile Organic Compounds (VOCs) be EPA Method 8260(B).

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-31	MFC-31	MFC-33	MFC-33	MFC-34	MFC-35
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/28/02	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1,2-Tetrachloroethane	--	< 2.0	< 1.0	--	< 0.50	--
1,1,1-Trichloroethane	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
1,1,2-Trichloroethane	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
1,1-Dichloroethane	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
1,1-Dichloroethene	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
1,1-Dichloropropene	--	< 2.0	< 1.0	--	< 0.50	--
1,2,3-Trichlorobenzene	--	< 4.0	< 2.0	--	< 1.0	--
1,2,4-Trichlorobenzene	--	< 4.0	< 2.0	--	< 1.0	--
1,2,4-Trimethylbenzene	--	< 2.0	< 1.0	--	< 0.50	--
1,2-Dibromo-3-chloropropane	--	< 4.0	< 2.0	--	< 1.0	--
1,2-Dibromoethane	--	< 2.0	< 1.0	--	< 0.50	--
1,2-Dichlorobenzene	--	< 2.0	< 1.0	--	< 0.50	--
1,2-Dichloroethane	< 2.0	< 2.0	< 1.0	< 2.0	< 0.50	< 2.0
1,2-Dichloropropane	< 2.0	< 2.0	< 1.0	< 2.0	< 0.50	< 2.0
1,3,5-Trimethylbenzene	--	< 2.0	< 1.0	--	< 0.50	--
1,3-Dichlorobenzene	--	< 2.0	< 1.0	--	< 0.50	--
1,3-Dichloropropane	--	< 4.0	< 2.0	--	< 1.0	--
1,4-Dichlorobenzene	--	< 2.0	< 1.0	--	< 0.50	--
2,2-Dichloropropane	--	< 2.0	< 1.0	--	< 0.50	--
2-Butanone(MEK)	< 10.0	< 200	< 100	< 10.0	< 50	< 10.0
2-Chloroethylvinyl ether	--	< 20	< 10	--	< 5.0	--
2-Chlorotoluene	--	< 2.0	< 1.0	--	< 0.50	--
2-Hexanone	< 2.0	< 200	< 100	< 2.0	< 50	< 2.0
4-Chlorotoluene	--	< 2.0	< 1.0	--	< 0.50	--
4-Methyl-2-pentanone (MIBK)	< 2.0	< 200	< 100	< 2.0	< 50	< 2.0
Acetone	< 5.0	< 200	< 100	< 5.0	< 50	< 5.0
Benzene	< 1.0	**11**	**2.1**	**1.6**	< 0.50	**7.0**
Bromobenzene	--	< 4.0	< 2.0	--	< 1.0	--
Bromochloromethane	--	< 4.0	< 2.0	--	< 1.0	--
Bromodichloromethane	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
Bromoform	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
Bromomethane	< 2.0	< 4.0	< 2.0	< 2.0	< 1.0	< 2.0
Carbon disulfide	< 1.0	< 20	< 10	< 1.0	< 5.0	< 1.0
Carbon tetrachloride	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
Chlorobenzene	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
Chloroethane	< 2.0	< 4.0	< 2.0	< 2.0	< 1.0	< 2.0
Chloroform	< 2.0	< 4.0	< 2.0	< 2.0	< 1.0	< 2.0
Chloromethane	< 2.0	< 4.0	< 2.0	< 2.0	< 1.0	< 2.0
cis-1,2-Dichloroethene	< 1.0	< 2.0	**1.6**	**1.2**	< 0.50	<1.0
cis-1,3-Dichloropropene	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
Dibromochloromethane	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
Dibromomethane	--	< 2.0	< 1.0	--	< 0.50	--
Dichlorodifluoromethane	--	< 2.0	< 1.0	--	< 0.50	--
di-Isopropyl Ether (DIPE)	< 2.0	--	--	< 2.0	--	< 2.0
Ethanol	< 200.0	--	--	< 200.0	--	< 200.0
Ethyl tert-Butyl Ether (ETBE)	< 2.0	--	--	< 2.0	--	< 2.0
Ethylbenzene	< 1.0	**2.0**	< 1.0	< 1.0	< 0.50	**8.3**
Hexachlorobutadiene	--	< 4.0	< 2.0	--	< 1.0	--
Isopropylbenzene	--	**16**	**1.3**	--	< 0.50	--
Methylene chloride	< 1.0	< 20	< 10	< 1.0	< 5.0	< 1.0
MTBE	< 2.0	< 20	< 10	< 2.0	< 5.0	< 2.0
Naphthalene	--	**350**	**43**	--	< 1.0	--

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-31	MFC-31	MFC-33	MFC-33	MFC-34	MFC-35
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/28/02	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
(Continued)						
n-Butylbenzene	--	< 4.0	**6.2**	--	< 1.0	--
n-Propylbenzene	--	**24**	< 2.0	--	< 1.0	--
p-Isopropyltoluene	--	< 4.0	< 2.0	--	< 1.0	--
sec-Butylbenzene	--	**15**	**4.0**	--	< 1.0	--
Styrene	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
tert-Amyl Ethyl Ether (TAME)	< 2.0	--	--	< 2.0	--	< 2.0
tert-Butylbenzene	--	< 4.0	< 2.0	--	< 1.0	--
Tertiary Butanol (TBA)	< 50.0	--	--	< 50.0	--	< 50.0
Tetrachloroethene	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
Toluene	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
trans-1,2-Dichloroethene	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
trans-1,3-Dichloropropene	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
Trichloroethene	< 1.0	< 2.0	< 1.0	< 1.0	< 0.50	< 1.0
Trichlorofluoromethane	--	< 4.0	< 2.0	--	< 1.0	--
Trichlorotrifluoroethane	--	< 2.0	< 1.0	--	< 0.50	--
Vinyl acetate	< 5.0	< 100	< 50	< 5.0	< 25	< 5.0
Vinyl chloride	< 3.0	< 2.0	< 1.0	< 3.0	< 0.50	< 3.0
Xylenes (Total)	< 2.0	< 4.0	< 2.0	< 2.0	< 1.0	< 2.0

Notes:
GW = Grab Groundwater

All Grab Groundwater samples were collected from temporary wells.

-- = Not Analyzed

µg/L = micrograms per liter

All samples were analyzed for Volatile Organic Compounds (VOCs) be EPA Method 8260(B).

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-35	MFC-36	MFC-37	MFC-38	MFC-39	MFC-40
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/25/02	3/25/02	3/26/02	3/26/02	3/27/02	3/26/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,1,1,2-Tetrachloroethane	< 5.0	< 1.0	--	--	--	--
1,1,1-Trichloroethane	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	< 5.0	< 1.0	--	--	--	--
1,2,3-Trichlorobenzene	< 10	< 2.0	--	--	--	--
1,2,4-Trichlorobenzene	< 10	< 2.0	--	--	--	--
1,2,4-Trimethylbenzene	< 5.0	< 1.0	--	--	--	--
1,2-Dibromo-3-chloropropane	< 10	< 2.0	--	--	--	--
1,2-Dibromoethane	< 5.0	< 1.0	--	--	--	--
1,2-Dichlorobenzene	< 5.0	< 1.0	--	--	--	--
1,2-Dichloroethane	< 5.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2.0
1,2-Dichloropropane	< 5.0	< 1.0	< 2.0	< 2.0	< 2.0	< 2.0
1,3,5-Trimethylbenzene	< 5.0	< 1.0	--	--	--	--
1,3-Dichlorobenzene	< 5.0	< 1.0	--	--	--	--
1,3-Dichloropropane	< 10	< 2.0	--	--	--	--
1,4-Dichlorobenzene	< 5.0	< 1.0	--	--	--	--
2,2-Dichloropropane	< 5.0	< 1.0	--	--	--	--
2-Butanone(MEK)	< 500	< 100	< 10.0	< 10.0	< 10.0	< 10.0
2-Chloroethylvinyl ether	< 50	< 10	--	--	--	--
2-Chlorotoluene	< 5.0	< 1.0	--	--	--	--
2-Hexanone	< 500	< 100	< 2.0	< 2.0	< 2.0	< 2.0
4-Chlorotoluene	< 5.0	< 1.0	--	--	--	--
4-Methyl-2-pentanone (MIBK)	< 500	< 100	< 2.0	< 2.0	< 2.0	< 2.0
Acetone	< 500	< 100	< 5.0	< 5.0	< 5.0	< 5.0
Benzene	**8.0**	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0
Bromobenzene	< 10	< 2.0	--	--	--	--
Bromochloromethane	< 10	< 2.0	--	--	--	--
Bromodichloromethane	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Carbon disulfide	< 50	< 10	< 1.0	< 1.0	< 1.0	< 1.0
Carbon tetrachloride	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chloroform	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chloromethane	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
cis-1,2-Dichloroethene	< 5.0	< 1.0	<1.0	<1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	< 5.0	< 1.0	--	--	--	--
Dichlorodifluoromethane	< 5.0	< 1.0	--	--	--	--
di-Isopropyl Ether (DIPE)	--	--	< 2.0	< 2.0	**2.6**	< 2.0
Ethanol	--	--	< 200.0	< 200.0	< 200.0	< 200.0
Ethyl tert-Butyl Ether (ETBE)	--	--	< 2.0	< 2.0	< 2.0	< 2.0
Ethylbenzene	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	< 10	< 2.0	--	--	--	--
Isopropylbenzene	**12**	< 1.0	--	--	--	--
Methylene chloride	< 50	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MTBE	< 50	**130**	< 2.0	< 2.0	**3.4**	< 2.0
Naphthalene	**200**	< 2.0	--	--	--	--

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-35	MFC-36	MFC-37	MFC-38	MFC-39	MFC-40
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/25/02	3/25/02	3/26/02	3/26/02	3/27/02	3/26/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
(Continued)						
n-Butylbenzene	**19**	< 2.0	--	--	--	--
n-Propylbenzene	**16**	< 2.0	--	--	--	--
p-Isopropyltoluene	< 10	< 2.0	--	--	--	--
sec-Butylbenzene	**15**	< 2.0	--	--	--	--
Styrene	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Amyl Ethyl Ether (TAME)	--	--	< 2.0	< 2.0	< 2.0	< 2.0
tert-Butylbenzene	< 10	< 2.0	--	--	--	--
Tertiary Butanol (TBA)	--	--	< 50.0	< 50.0	< 50.0	< 50.0
Tetrachloroethene	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	< 10	< 2.0	--	--	--	--
Trichlorotrifluoroethane	< 5.0	< 1.0	--	--	--	--
Vinyl acetate	< 250	< 50	< 5.0	< 5.0	< 5.0	< 5.0
Vinyl chloride	< 5.0	< 1.0	< 3.0	< 3.0	< 3.0	< 3.0
Xylenes (Total)	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Notes:
GW = Grab Groundwater

All Grab Groundwater samples were collected from temporary wells.

-- = Not Analyzed

µg/L = micrograms per liter

All samples were analyzed for Volatile Organic Compounds (VOCs) be EPA Method 8260(B).

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-41	MFC-44	MFC-45
MATRIX	GW	GW	GW
COLLECTION DATE	3/26/02	3/26/02	3/28/02
UNITS	µg/L	µg/L	µg/L
1,1,1,2-Tetrachloroethane	--	--	--
1,1,1-Trichloroethane	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	--	--	--
1,2,3-Trichlorobenzene	--	--	--
1,2,4-Trichlorobenzene	--	--	--
1,2,4-Trimethylbenzene	--	--	--
1,2-Dibromo-3-chloropropane	--	--	--
1,2-Dibromoethane	--	--	--
1,2-Dichlorobenzene	--	--	--
1,2-Dichloroethane	< 2.0	< 2.0	< 2.0
1,2-Dichloropropane	< 2.0	< 2.0	< 2.0
1,3,5-Trimethylbenzene	--	--	--
1,3-Dichlorobenzene	--	--	--
1,3-Dichloropropane	--	--	--
1,4-Dichlorobenzene	--	--	--
2,2-Dichloropropane	--	--	--
2-Butanone(MEK)	< 10.0	< 10.0	< 10.0
2-Chloroethylvinyl ether	--	--	--
2-Chlorotoluene	--	--	--
2-Hexanone	< 2.0	< 2.0	< 2.0
4-Chlorotoluene	--	--	--
4-Methyl-2-pentanone (MIBK)	< 2.0	< 2.0	< 2.0
Acetone	< 5.0	< 5.0	< 5.0
Benzene	< 1.0	< 1.0	< 1.0
Bromobenzene	--	--	--
Bromochloromethane	--	--	--
Bromodichloromethane	< 1.0	< 1.0	< 1.0
Bromoform	< 1.0	< 1.0	< 1.0
Bromomethane	< 2.0	< 2.0	< 2.0
Carbon disulfide	< 1.0	< 1.0	< 1.0
Carbon tetrachloride	< 1.0	< 1.0	< 1.0
Chlorobenzene	< 1.0	< 1.0	< 1.0
Chloroethane	< 2.0	< 2.0	< 2.0
Chloroform	< 2.0	< 2.0	< 2.0
Chloromethane	< 2.0	< 2.0	< 2.0
cis-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0
cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0
Dibromochloromethane	< 1.0	< 1.0	< 1.0
Dibromomethane	--	--	--
Dichlorodifluoromethane	--	--	--
di-Isopropyl Ether (DIPE)	< 2.0	< 2.0	< 2.0
Ethanol	< 200.0	< 200.0	< 200.0
Ethyl tert-Butyl Ether (ETBE)	< 2.0	< 2.0	< 2.0
Ethylbenzene	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	--	--	--
Isopropylbenzene	--	--	--
Methylene chloride	< 1.0	< 1.0	< 1.0
MTBE	< 2.0	< 2.0	< 2.0
Naphthalene	--	--	--

TABLE 6: GROUNDWATER CHEMICAL TEST RESULTS - Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-41	MFC-44	MFC-45
MATRIX	GW	GW	GW
COLLECTION DATE	3/26/02	3/26/02	3/28/02
UNITS	µg/L	µg/L	µg/L
(Continued)			
n-Butylbenzene	--	--	--
n-Propylbenzene	--	--	--
p-Isopropyltoluene	--	--	--
sec-Butylbenzene	--	--	--
Styrene	< 1.0	< 1.0	< 1.0
tert-Amyl Ethyl Ether (TAME)	< 2.0	< 2.0	< 2.0
tert-Butylbenzene	--	--	--
Tertiary Butanol (TBA)	< 50.0	< 50.0	< 50.0
Tetrachloroethene	< 1.0	**1.3**	< 1.0
Toluene	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0
trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0
Trichloroethene	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	--	--	--
Trichlorotrifluoroethane	--	--	--
Vinyl acetate	< 5.0	< 5.0	< 5.0
Vinyl chloride	< 3.0	< 3.0	< 3.0
Xylenes (Total)	< 2.0	< 2.0	< 2.0

Notes:
GW = Grab Groundwater

All Grab Groundwater samples were collected from temporary wells.

-- = Not Analyzed

µg/L = micrograms per liter

All samples were analyzed for Volatile Organic Compounds (VOCs) be EPA Method 8260(B).

TABLE 7: SOIL GAS CHEMICAL TEST RESULTS -Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-03	MFC-05	MFC-07	MFC-10	MFC-13
MATRIX	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
SAMPLE DEPTH [1]	4.0	4.0	4.0	4.0	4.0	4.0
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloropropene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,3-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dibromo-3-chloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3,5-Trimethylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,2-Dichloropropane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Butanone(MEK)	< 50	< 50	< 50	< 50	< 50	< 50
2-Chloroethylvinyl ether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Chlorotoluene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Methyl-2-pentanone (MIBK)	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	1.4	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromomethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

TABLE 7: SOIL GAS CHEMICAL TEST RESULTS -Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-03	MFC-05	MFC-07	MFC-10	MFC-13
MATRIX	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
SAMPLE DEPTH [(1)]	4.0	4.0	4.0	4.0	4.0	4.0
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
(Continued)						
Isopropylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methylene chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
tert-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	**1.6**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorofluoromethane	< 1.0	< 1.0	**1.4**	< 1.0	< 1.0	< 1.0
Trichlorotrifluoroethane	< 1.0	< 1.0	**2.1**	< 1.0	< 1.0	< 1.0
Vinyl acetate	< 25	< 25	< 25	< 25	< 25	< 25
Vinyl chloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Xylenes (Total)	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50

Notes:

(1) Soil Gas samples collected at an average depth of 4.0 feet below ground surface (bgs).

µg/L = micograms per liter

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

TABLE 7: SOIL GAS CHEMICAL TEST RESULTS -Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-14	MFC-15	MFC-16	MFC-17	MFC-18	MFC-19
MATRIX	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE	3/27/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
SAMPLE DEPTH [1]	4.0	4.0	4.0	4.0	4.0	4.0
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,1,1-Trichloroethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,1-Dichloropropene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,2,3-Trichlorobenzene	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	< 0.50	< 0.50	< 2.5	**0.56**	< 0.50	**0.57**
1,2-Dibromo-3-chloropropane	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,3,5-Trimethylbenzene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
1,3-Dichloropropane	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
2,2-Dichloropropane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
2-Butanone(MEK)	< 50	< 50	< 250	< 50	< 50	< 50
2-Chloroethylvinyl ether	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
2-Hexanone	< 50	< 50	< 250	< 50	< 50	< 50
4-Chlorotoluene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
4-Methyl-2-pentanone (MIBK)	< 50	< 50	< 250	< 50	< 50	< 50
Acetone	< 50	< 50	< 250	< 50	< 50	< 50
Benzene	< 0.50	**0.88**	**170**	< 0.50	**1.7**	**12**
Bromobenzene	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Bromoform	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Bromomethane	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Carbon disulfide	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0
Carbon tetrachloride	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Chloroethane	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Chloroform	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Chloromethane	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Dibromochloromethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Dibromomethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethane	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Ethylbenzene	< 0.50	< 0.50	**7.1**	< 0.50	< 0.50	**6.8**
Hexachlorobutadiene	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0

TABLE 7: SOIL GAS CHEMICAL TEST RESULTS -Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-14	MFC-15	MFC-16	MFC-17	MFC-18	MFC-19
MATRIX	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE	3/27/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
SAMPLE DEPTH [1]	4.0	4.0	4.0	4.0	4.0	4.0
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
(Continued)						
Isopropylbenzene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	**2.2**
Methylene chloride	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0
MTBE	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0
n-Butylbenzene	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	**2.1**
Naphthalene	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	**1.2**
Styrene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
tert-Butylbenzene	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Toluene	< 0.50	< 0.50	< 2.5	**0.54**	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 2.5	< 0.50	< 0.50	< 0.50
Trichlorofluoromethane	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Trichlorotrifluoroethane	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0
Vinyl acetate	< 25	< 25	< 130	< 25	< 25	< 25
Vinyl chloride	< 0.50	**7.3**	< 2.5	< 0.50	**4.3**	< 0.50
Xylenes (Total)	< 0.50	< 1.0	**14**	**1.2**	< 1.0	**2.5**

Notes:

(1) Soil Gas samples collected at an average depth of 4.0 feet below ground surface (bgs).

µg/L = micograms per liter

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

TABLE 7: SOIL GAS CHEMICAL TEST RESULTS -Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-23	MFC-28	MFC-29	MFC-31	MFC-33	MFC-35
MATRIX	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/25/02	3/25/02	3/25/02
SAMPLE DEPTH [1]	4.0	4.0	4.0	4.0	4.0	4.0
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloropropene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,3-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dibromo-3-chloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3,5-Trimethylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,2-Dichloropropane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Butanone(MEK)	< 50	< 50	< 50	< 50	< 50	< 50
2-Chloroethylvinyl ether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Hexanone	< 50	< 50	< 50	< 50	< 50	< 50
4-Chlorotoluene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Methyl-2-pentanone (MIBK)	< 50	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.50	< 0.50	< 0.50	**1.0**	< 0.50	**0.50**
Bromobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromomethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

TABLE 7: SOIL GAS CHEMICAL TEST RESULTS -Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-23	MFC-28	MFC-29	MFC-31	MFC-33	MFC-35
MATRIX	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/25/02	3/25/02	3/25/02
SAMPLE DEPTH [(1)]	4.0	4.0	4.0	4.0	4.0	4.0
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
(Continued)						
Isopropylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methylene chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
n-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
tert-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorofluoromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorotrifluoroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl acetate	< 25	< 25	< 25	< 25	< 25	< 25
Vinyl chloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Xylenes (Total)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

(1) Soil Gas samples collected at an average depth of 4.0 feet below ground surface (bgs).

µg/L = micograms per liter

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

TABLE 7: SOIL GAS CHEMICAL TEST RESULTS -Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-36	MFC-37	MFC-38	MFC-41	MFC-45
MATRIX	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE	3/28/02	37340	3/28/02	3/28/02	3/28/02
SAMPLE DEPTH [1]	4.0	4.0	4.0	4.0	4.0
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
1,1,1,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,1-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2,2-Tetrachloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1,2-Trichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,1-Dichloropropene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2,3-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dibromo-3-chloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloroethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3,5-Trimethylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,3-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2,2-Dichloropropane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Butanone(MEK)	< 50	< 50	< 50	< 50	< 50
2-Chloroethylvinyl ether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-Chlorotoluene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2-Hexanone	< 50	< 50	< 50	< 50	< 50
4-Chlorotoluene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
4-Methyl-2-pentanone (MIBK)	< 50	< 50	< 50	< 50	< 50
Acetone	< 50	< 50	< 50	< 50	< 50
Benzene	< 0.50	**0.53**	< 0.50	< 0.50	< 0.50
Bromobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromoform	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Bromomethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon tetrachloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chlorobenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
cis-1,3-Dichloropropene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromochloromethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dibromomethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Dichlorodifluoromethane	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Ethylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Hexachlorobutadiene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

TABLE 7: SOIL GAS CHEMICAL TEST RESULTS -Volatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-36	MFC-37	MFC-38	MFC-41	MFC-45
MATRIX	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE	3/28/02	37340	3/28/02	3/28/02	3/28/02
SAMPLE DEPTH [(1)]	4.0	4.0	4.0	4.0	4.0
UNITS	ug/L	ug/L	ug/L	ug/L	ug/L
(Continued)					
Isopropylbenzene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Methylene chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
MTBE	**21**	< 5.0	< 5.0	< 5.0	< 5.0
n-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Styrene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
tert-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Toluene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
trans-1,3-Dichloropropene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichloroethene	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Trichlorofluoromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorotrifluoroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl acetate	< 25	< 25	< 25	< 25	< 25
Vinyl chloride	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Xylenes (Total)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

(1) Soil Gas samples collected at an average depth of 4.0 feet below ground surface (bgs).

µg/L = micograms per liter

Samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 (B).

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-02	MFC-03	MFC-04
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/26/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 1.7	< 0.067	< 0.13	< 1.3
1,2-Dichlorobenzene	< 1.7	< 0.067	< 0.13	< 1.3
1,3-Dichlorobenzene	< 1.7	< 0.067	< 0.13	< 1.3
1,4-Dichlorobenzene	< 1.7	< 0.067	< 0.13	< 1.3
2,4,5-Trichlorophenol	< 1.7	< 0.067	< 0.13	< 1.3
2,4,6-Trichlorophenol	< 1.7	< 0.067	< 0.13	< 1.3
2,4-Dichlorophenol	< 1.7	< 0.067	< 0.13	< 1.3
2,4-Dimethylphenol	< 1.7	< 0.067	< 0.13	< 1.3
2,4-Dinitrophenol	< 8.3	< 0.33	< 0.66	< 6.6
2,4-Dinitrotoluene	< 1.7	< 0.067	< 0.13	< 1.3
2,6-Dinitrotoluene	< 1.7	< 0.067	< 0.13	< 1.3
2-Chloronaphthalene	< 1.7	< 0.067	< 0.13	< 1.3
2-Chlorophenol	< 1.7	< 0.067	< 0.13	< 1.3
2-Methyl-4,6-dinitrophenol	< 8.3	< 0.33	< 0.66	< 6.6
2-Methylnaphthalene	< 1.7	< 0.067	< 0.13	**18**
2-Methylphenol	< 1.7	< 0.067	< 0.13	< 1.3
2-Nitroaniline	< 8.3	< 0.33	< 0.66	< 6.6
2-Nitrophenol	< 1.7	< 0.067	< 0.13	< 1.3
3,3-Dichlorobenzidine	< 4.3	< 0.17	< 0.34	< 3.4
3-Nitroaniline	< 1.7	< 0.067	< 0.13	< 1.3
4-Bromophenyl phenyl ether	< 4.3	< 0.17	< 0.34	< 3.4
4-Chloro-3-methylphenol	< 4.3	< 0.17	< 0.34	< 3.4
4-Chloroaniline	< 1.7	< 0.067	< 0.13	< 1.3
4-Chlorophenyl phenyl ether	< 4.3	< 0.17	< 0.34	< 3.4
4-Methylphenol	< 1.7	< 0.067	< 0.13	< 1.3
4-Nitroaniline	< 8.3	< 0.33	< 0.66	< 6.6
4-Nitrophenol	< 8.3	< 0.33	< 0.66	< 6.6
Acenaphthene	< 1.7	< 0.067	< 0.13	**14**
Acenaphthylene	< 1.7	< 0.067	< 0.13	< 1.3
Anthracene	< 1.7	< 0.067	< 0.13	**12**
Benzo(a)anthracene	< 1.7	< 0.067	< 0.13	**4.0**
Benzo(a)pyrene	< 1.7	< 0.067	< 0.13	< 1.3
Benzo(b)fluoranthene	< 1.7	< 0.067	< 0.13	< 1.3
Benzo(g,h,i)perylene	< 1.7	< 0.067	< 0.13	< 1.3
Benzo(k)fluoranthene	< 1.7	< 0.067	< 0.13	< 1.3
Benzoic acid	< 8.3	< 0.33	< 0.66	< 6.6
Benzyl alcohol	< 4.3	< 0.17	< 0.34	< 3.4
Bis(2-chloroethoxy) methane	< 4.3	< 0.17	< 0.34	< 3.4
Bis(2-chloroethyl)ether	< 1.7	< 0.067	< 0.13	< 1.3
Bis(2-chloroisopropyl) ether	< 1.7	< 0.067	< 0.13	< 1.3
bis(2-Ethylhexyl) phthalate	< 8.3	< 0.33	< 0.66	< 6.6
Butyl benzyl phthalate	< 4.3	< 0.17	< 0.34	< 3.4
Chrysene	< 1.7	< 0.067	< 0.13	**2.9**
Di-n-butyl phthalate	< 4.3	< 0.17	< 0.34	< 3.4
Di-n-octyl phthalate	< 4.3	< 0.17	< 0.34	< 3.4
Dibenzo(a,h)anthracene	< 1.7	< 0.067	< 0.13	< 1.3
Dibenzofuran	< 1.7	< 0.067	< 0.13	**8.5**
Diethyl phthalate	< 4.3	< 0.17	< 0.34	< 3.4
Dimethyl phthalate	< 4.3	< 0.17	< 0.34	< 3.4

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-02	MFC-03	MFC-04
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/26/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 1.7	< 0.067	< 0.13	**15**
Fluorene	< 1.7	< 0.067	< 0.13	**12**
Hexachlorobenzene	< 1.7	< 0.067	< 0.13	< 1.3
Hexachlorobutadiene	< 1.7	< 0.067	< 0.13	< 1.3
Hexachlorocyclopentadiene	< 4.3	< 0.17	< 0.34	< 3.4
Hexachloroethane	< 1.7	< 0.067	< 0.13	< 1.3
Indeno(1,2,3-c,d)pyrene	< 1.7	< 0.067	< 0.13	< 1.3
Isophorone	< 1.7	< 0.067	< 0.13	< 1.3
N-Nitroso-di-n-propylamine	< 1.7	< 0.067	< 0.13	< 1.3
N-Nitrosodiphenylamine	< 1.7	< 0.067	< 0.13	< 1.3
Naphthalene	< 1.7	< 0.067	< 0.13	**5.9**
Nitrobenzene	< 1.7	< 0.067	< 0.13	< 1.3
Pentachlorophenol	< 8.3	< 0.33	< 0.66	< 6.6
Phenanthrene	< 1.7	< 0.067	< 0.13	**36**
Phenol	< 1.7	< 0.067	< 0.13	< 1.3
Pyrene	< 1.7	< 0.067	< 0.13	**15**

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-05	MFC-06	MFC-07	MFC-08
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 0.67	< 0.67	< 0.67	< 1.3
1,2-Dichlorobenzene	< 0.67	< 0.67	< 0.67	< 1.3
1,3-Dichlorobenzene	< 0.67	< 0.67	< 0.67	< 1.3
1,4-Dichlorobenzene	< 0.67	< 0.67	< 0.67	< 1.3
2,4,5-Trichlorophenol	< 0.67	< 0.67	< 0.67	< 1.3
2,4,6-Trichlorophenol	< 0.67	< 0.67	< 0.67	< 1.3
2,4-Dichlorophenol	< 0.67	< 0.67	< 0.67	< 1.3
2,4-Dimethylphenol	< 0.67	< 0.67	< 0.67	< 1.3
2,4-Dinitrophenol	< 3.3	< 3.3	< 3.3	< 6.6
2,4-Dinitrotoluene	< 0.67	< 0.67	< 0.67	< 1.3
2,6-Dinitrotoluene	< 0.67	< 0.67	< 0.67	< 1.3
2-Chloronaphthalene	< 0.67	< 0.67	< 0.67	< 1.3
2-Chlorophenol	< 0.67	< 0.67	< 0.67	< 1.3
2-Methyl-4,6-dinitrophenol	< 3.3	< 3.3	< 3.3	< 6.6
2-Methylnaphthalene	< 0.67	< 0.67	< 0.67	< 1.3
2-Methylphenol	< 0.67	< 0.67	< 0.67	< 1.3
2-Nitroaniline	< 3.3	< 3.3	< 3.3	< 6.6
2-Nitrophenol	< 0.67	< 0.67	< 0.67	< 1.3
3,3-Dichlorobenzidine	< 1.7	< 1.7	< 1.7	< 3.4
3-Nitroaniline	< 0.67	< 0.67	< 0.67	< 1.3
4-Bromophenyl phenyl ether	< 1.7	< 1.7	< 1.7	< 3.4
4-Chloro-3-methylphenol	< 1.7	< 1.7	< 1.7	< 3.4
4-Chloroaniline	< 0.67	< 0.67	< 0.67	< 1.3
4-Chlorophenyl phenyl ether	< 1.7	< 1.7	< 1.7	< 3.4
4-Methylphenol	< 0.67	< 0.67	< 0.67	< 1.3
4-Nitroaniline	< 3.3	< 3.3	< 3.3	< 6.6
4-Nitrophenol	< 3.3	< 3.3	< 3.3	< 6.6
Acenaphthene	< 0.67	< 0.67	< 0.67	< 1.3
Acenaphthylene	< 0.67	< 0.67	< 0.67	< 1.3
Anthracene	< 0.67	< 0.67	< 0.67	< 1.3
Benzo(a)anthracene	< 0.67	< 0.67	< 0.67	< 1.3
Benzo(a)pyrene	< 0.67	< 0.67	< 0.67	< 1.3
Benzo(b)fluoranthene	< 0.67	< 0.67	< 0.67	< 1.3
Benzo(g,h,i)perylene	< 0.67	< 0.67	< 0.67	< 1.3
Benzo(k)fluoranthene	< 0.67	< 0.67	< 0.67	< 1.3
Benzoic acid	< 3.3	< 3.3	< 3.3	< 6.6
Benzyl alcohol	< 1.7	< 1.7	< 1.7	< 3.4
Bis(2-chloroethoxy) methane	< 1.7	< 1.7	< 1.7	< 3.4
Bis(2-chloroethyl)ether	< 0.67	< 0.67	< 0.67	< 1.3
Bis(2-chloroisopropyl) ether	< 0.67	< 0.67	< 0.67	< 1.3
bis(2-Ethylhexyl) phthalate	< 3.3	< 3.3	< 3.3	< 6.6
Butyl benzyl phthalate	< 1.7	< 1.7	< 1.7	< 3.4
Chrysene	< 0.67	< 0.67	< 0.67	< 1.3
Di-n-butyl phthalate	< 1.7	< 1.7	< 1.7	< 3.4
Di-n-octyl phthalate	< 1.7	< 1.7	< 1.7	< 3.4
Dibenzo(a,h)anthracene	< 0.67	< 0.67	< 0.67	< 1.3
Dibenzofuran	< 0.67	< 0.67	< 0.67	< 1.3
Diethyl phthalate	< 1.7	< 1.7	< 1.7	< 3.4
Dimethyl phthalate	< 1.7	< 1.7	< 1.7	< 3.4

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-05	MFC-06	MFC-07	MFC-08
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 0.67	< 0.67	< 0.67	< 1.3
Fluorene	< 0.67	< 0.67	< 0.67	< 1.3
Hexachlorobenzene	< 0.67	< 0.67	< 0.67	< 1.3
Hexachlorobutadiene	< 0.67	< 0.67	< 0.67	< 1.3
Hexachlorocyclopentadiene	< 1.7	< 1.7	< 1.7	< 3.4
Hexachloroethane	< 0.67	< 0.67	< 0.67	< 1.3
Indeno(1,2,3-c,d)pyrene	< 0.67	< 0.67	< 0.67	< 1.3
Isophorone	< 0.67	< 0.67	< 0.67	< 1.3
N-Nitroso-di-n-propylamine	< 0.67	< 0.67	< 0.67	< 1.3
N-Nitrosodiphenylamine	< 0.67	< 0.67	< 0.67	< 1.3
Naphthalene	< 0.67	< 0.67	< 0.67	< 1.3
Nitrobenzene	< 0.67	< 0.67	< 0.67	< 1.3
Pentachlorophenol	< 3.3	< 3.3	< 3.3	< 6.6
Phenanthrene	< 0.67	< 0.67	< 0.67	< 1.3
Phenol	< 0.67	< 0.67	< 0.67	< 1.3
Pyrene	< 0.67	< 0.67	< 0.67	< 1.3

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-09	MFC-10	MFC-11	MFC-12
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/27/02	3/27/02	3/26/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 0.67	< 0.067	< 0.67	< 1.7
1,2-Dichlorobenzene	< 0.67	< 0.067	< 0.67	< 1.7
1,3-Dichlorobenzene	< 0.67	< 0.067	< 0.67	< 1.7
1,4-Dichlorobenzene	< 0.67	< 0.067	< 0.67	< 1.7
2,4,5-Trichlorophenol	< 0.67	< 0.067	< 0.67	< 1.7
2,4,6-Trichlorophenol	< 0.67	< 0.067	< 0.67	< 1.7
2,4-Dichlorophenol	< 0.67	< 0.067	< 0.67	< 1.7
2,4-Dimethylphenol	< 0.67	< 0.067	< 0.67	< 1.7
2,4-Dinitrophenol	< 3.3	< 0.33	< 3.3	< 8.3
2,4-Dinitrotoluene	< 0.67	< 0.067	< 0.67	< 1.7
2,6-Dinitrotoluene	< 0.67	< 0.067	< 0.67	< 1.7
2-Chloronaphthalene	< 0.67	< 0.067	< 0.67	< 1.7
2-Chlorophenol	< 0.67	< 0.067	< 0.67	< 1.7
2-Methyl-4,6-dinitrophenol	< 3.3	< 0.33	< 3.3	< 8.3
2-Methylnaphthalene	< 0.67	< 0.067	< 0.67	< 1.7
2-Methylphenol	< 0.67	< 0.067	< 0.67	< 1.7
2-Nitroaniline	< 3.3	< 0.33	< 3.3	< 8.3
2-Nitrophenol	< 0.67	< 0.067	< 0.67	< 1.7
3,3-Dichlorobenzidine	< 1.7	< 0.17	< 1.7	< 4.3
3-Nitroaniline	< 0.67	< 0.067	< 0.67	< 1.7
4-Bromophenyl phenyl ether	< 1.7	< 0.17	< 1.7	< 4.3
4-Chloro-3-methylphenol	< 1.7	< 0.17	< 1.7	< 4.3
4-Chloroaniline	< 0.67	< 0.067	< 0.67	< 1.7
4-Chlorophenyl phenyl ether	< 1.7	< 0.17	< 1.7	< 4.3
4-Methylphenol	< 0.67	< 0.067	< 0.67	< 1.7
4-Nitroaniline	< 3.3	< 0.33	< 3.3	< 8.3
4-Nitrophenol	< 3.3	< 0.33	< 3.3	< 8.3
Acenaphthene	< 0.67	< 0.067	< 0.67	< 1.7
Acenaphthylene	< 0.67	< 0.067	< 0.67	< 1.7
Anthracene	< 0.67	< 0.067	< 0.67	< 1.7
Benzo(a)anthracene	< 0.67	< 0.067	< 0.67	< 1.7
Benzo(a)pyrene	< 0.67	< 0.067	< 0.67	< 1.7
Benzo(b)fluoranthene	< 0.67	< 0.067	< 0.67	< 1.7
Benzo(g,h,i)perylene	< 0.67	< 0.067	< 0.67	< 1.7
Benzo(k)fluoranthene	< 0.67	< 0.067	< 0.67	< 1.7
Benzoic acid	< 3.3	< 0.33	< 3.3	< 8.3
Benzyl alcohol	< 1.7	< 0.17	< 1.7	< 4.3
Bis(2-chloroethoxy) methane	< 1.7	< 0.17	< 1.7	< 4.3
Bis(2-chloroethyl)ether	< 0.67	< 0.067	< 0.67	< 1.7
Bis(2-chloroisopropyl) ether	< 0.67	< 0.067	< 0.67	< 1.7
bis(2-Ethylhexyl) phthalate	< 3.3	< 0.33	< 3.3	< 8.3
Butyl benzyl phthalate	< 1.7	< 0.17	< 1.7	< 4.3
Chrysene	< 0.67	< 0.067	< 0.67	< 1.7
Di-n-butyl phthalate	< 1.7	< 0.17	< 1.7	< 4.3
Di-n-octyl phthalate	< 1.7	< 0.17	< 1.7	< 4.3
Dibenzo(a,h)anthracene	< 0.67	< 0.067	< 0.67	< 1.7
Dibenzofuran	< 0.67	< 0.067	< 0.67	< 1.7
Diethyl phthalate	< 1.7	< 0.17	< 1.7	< 4.3
Dimethyl phthalate	< 1.7	< 0.17	< 1.7	< 4.3

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-09	MFC-10	MFC-11	MFC-12
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/27/02	3/27/02	3/26/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 0.67	< 0.067	< 0.67	< 1.7
Fluorene	< 0.67	< 0.067	< 0.67	< 1.7
Hexachlorobenzene	< 0.67	< 0.067	< 0.67	< 1.7
Hexachlorobutadiene	< 0.67	< 0.067	< 0.67	< 1.7
Hexachlorocyclopentadiene	< 1.7	< 0.17	< 1.7	< 4.3
Hexachloroethane	< 0.67	< 0.067	< 0.67	< 1.7
Indeno(1,2,3-c,d)pyrene	< 0.67	< 0.067	< 0.67	< 1.7
Isophorone	< 0.67	< 0.067	< 0.67	< 1.7
N-Nitroso-di-n-propylamine	< 0.67	< 0.067	< 0.67	< 1.7
N-Nitrosodiphenylamine	< 0.67	< 0.067	< 0.67	< 1.7
Naphthalene	< 0.67	< 0.067	< 0.67	< 1.7
Nitrobenzene	< 0.67	< 0.067	< 0.67	< 1.7
Pentachlorophenol	< 3.3	< 0.33	< 3.3	< 8.3
Phenanthrene	< 0.67	< 0.067	< 0.67	< 1.7
Phenol	< 0.67	< 0.067	< 0.67	< 1.7
Pyrene	< 0.67	< 0.067	< 0.67	< 1.7

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-13	MFC-14	MFC-15	MFC-16
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/25/02	3/25/02	3/25/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 0.34	< 0.067	< 0.34	< 0.067
1,2-Dichlorobenzene	< 0.34	< 0.067	< 0.34	< 0.067
1,3-Dichlorobenzene	< 0.34	< 0.067	< 0.34	< 0.067
1,4-Dichlorobenzene	< 0.34	< 0.067	< 0.34	< 0.067
2,4,5-Trichlorophenol	< 0.34	< 0.067	< 0.34	< 0.067
2,4,6-Trichlorophenol	< 0.34	< 0.067	< 0.34	< 0.067
2,4-Dichlorophenol	< 0.34	< 0.067	< 0.34	< 0.067
2,4-Dimethylphenol	< 0.34	< 0.067	< 0.34	< 0.067
2,4-Dinitrophenol	< 1.7	< 0.33	< 1.7	< 0.33
2,4-Dinitrotoluene	< 0.34	< 0.067	< 0.34	< 0.067
2,6-Dinitrotoluene	< 0.34	< 0.067	< 0.34	< 0.067
2-Chloronaphthalene	< 0.34	< 0.067	< 0.34	< 0.067
2-Chlorophenol	< 0.34	< 0.067	< 0.34	< 0.067
2-Methyl-4,6-dinitrophenol	< 1.7	< 0.33	< 1.7	< 0.33
2-Methylnaphthalene	< 0.34	< 0.067	< 0.34	< 0.067
2-Methylphenol	< 0.34	< 0.067	< 0.34	< 0.067
2-Nitroaniline	< 1.7	< 0.33	< 1.7	< 0.33
2-Nitrophenol	< 0.34	< 0.067	< 0.34	< 0.067
3,3-Dichlorobenzidine	< 0.85	< 0.17	< 0.85	< 0.17
3-Nitroaniline	< 0.34	< 0.067	< 0.34	< 0.067
4-Bromophenyl phenyl ether	< 0.85	< 0.17	< 0.85	< 0.17
4-Chloro-3-methylphenol	< 0.85	< 0.17	< 0.85	< 0.17
4-Chloroaniline	< 0.34	< 0.067	< 0.34	< 0.067
4-Chlorophenyl phenyl ether	< 0.85	< 0.17	< 0.85	< 0.17
4-Methylphenol	< 0.34	< 0.067	< 0.34	< 0.067
4-Nitroaniline	< 1.7	< 0.33	< 1.7	< 0.33
4-Nitrophenol	< 1.7	< 0.33	< 1.7	< 0.33
Acenaphthene	< 0.34	< 0.067	< 0.34	< 0.067
Acenaphthylene	< 0.34	< 0.067	< 0.34	< 0.067
Anthracene	< 0.34	< 0.067	< 0.34	< 0.067
Benzo(a)anthracene	< 0.34	< 0.067	< 0.34	< 0.067
Benzo(a)pyrene	< 0.34	< 0.067	< 0.34	< 0.067
Benzo(b)fluoranthene	< 0.34	< 0.067	< 0.34	< 0.067
Benzo(g,h,i)perylene	< 0.34	< 0.067	< 0.34	< 0.067
Benzo(k)fluoranthene	< 0.34	< 0.067	< 0.34	< 0.067
Benzoic acid	< 1.7	< 0.33	< 1.7	< 0.33
Benzyl alcohol	< 0.85	< 0.17	< 0.85	< 0.17
Bis(2-chloroethoxy) methane	< 0.85	< 0.17	< 0.85	< 0.17
Bis(2-chloroethyl)ether	< 0.34	< 0.067	< 0.34	< 0.067
Bis(2-chloroisopropyl) ether	< 0.34	< 0.067	< 0.34	< 0.067
bis(2-Ethylhexyl) phthalate	< 1.7	< 0.33	< 1.7	< 0.33
Butyl benzyl phthalate	< 0.85	< 0.17	< 0.85	< 0.17
Chrysene	< 0.34	< 0.067	< 0.34	< 0.067
Di-n-butyl phthalate	< 0.85	< 0.17	< 0.85	< 0.17
Di-n-octyl phthalate	< 0.85	< 0.17	< 0.85	< 0.17
Dibenzo(a,h)anthracene	< 0.34	< 0.067	< 0.34	< 0.067
Dibenzofuran	< 0.34	< 0.067	< 0.34	< 0.067
Diethyl phthalate	< 0.85	< 0.17	< 0.85	< 0.17
Dimethyl phthalate	< 0.85	< 0.17	< 0.85	< 0.17

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-13	MFC-14	MFC-15	MFC-16
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/25/02	3/25/02	3/25/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 0.34	< 0.067	< 0.34	< 0.067
Fluorene	< 0.34	< 0.067	< 0.34	< 0.067
Hexachlorobenzene	< 0.34	< 0.067	< 0.34	< 0.067
Hexachlorobutadiene	< 0.34	< 0.067	< 0.34	< 0.067
Hexachlorocyclopentadiene	< 0.85	< 0.17	< 0.85	< 0.17
Hexachloroethane	< 0.34	< 0.067	< 0.34	< 0.067
Indeno(1,2,3-c,d)pyrene	< 0.34	< 0.067	< 0.34	< 0.067
Isophorone	< 0.34	< 0.067	< 0.34	< 0.067
N-Nitroso-di-n-propylamine	< 0.34	< 0.067	< 0.34	< 0.067
N-Nitrosodiphenylamine	< 0.34	< 0.067	< 0.34	< 0.067
Naphthalene	< 0.34	< 0.067	< 0.34	< 0.067
Nitrobenzene	< 0.34	< 0.067	< 0.34	< 0.067
Pentachlorophenol	< 1.7	< 0.33	< 1.7	< 0.33
Phenanthrene	< 0.34	< 0.067	< 0.34	< 0.067
Phenol	< 0.34	< 0.067	< 0.34	< 0.067
Pyrene	< 0.34	< 0.067	< 0.34	< 0.067

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-17	MFC-18	MFC-19	MFC-20
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/25/02	3/25/02	3/27/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 0.34	< 0.34	< 0.34	< 1.7
1,2-Dichlorobenzene	< 0.34	< 0.34	< 0.34	< 1.7
1,3-Dichlorobenzene	< 0.34	< 0.34	< 0.34	< 1.7
1,4-Dichlorobenzene	< 0.34	< 0.34	< 0.34	< 1.7
2,4,5-Trichlorophenol	< 0.34	< 0.34	< 0.34	< 1.7
2,4,6-Trichlorophenol	< 0.34	< 0.34	< 0.34	< 1.7
2,4-Dichlorophenol	< 0.34	< 0.34	< 0.34	< 1.7
2,4-Dimethylphenol	< 0.34	< 0.34	< 0.34	< 1.7
2,4-Dinitrophenol	< 1.7	< 1.7	< 1.7	< 8.3
2,4-Dinitrotoluene	< 0.34	< 0.34	< 0.34	< 1.7
2,6-Dinitrotoluene	< 0.34	< 0.34	< 0.34	< 1.7
2-Chloronaphthalene	< 0.34	< 0.34	< 0.34	< 1.7
2-Chlorophenol	< 0.34	< 0.34	< 0.34	< 1.7
2-Methyl-4,6-dinitrophenol	< 1.7	< 1.7	< 1.7	< 8.3
2-Methylnaphthalene	< 0.34	**0.42**	< 0.34	< 1.7
2-Methylphenol	< 0.34	< 0.34	< 0.34	< 1.7
2-Nitroaniline	< 1.7	< 1.7	< 1.7	< 8.3
2-Nitrophenol	< 0.34	< 0.34	< 0.34	< 1.7
3,3-Dichlorobenzidine	< 0.85	< 0.85	< 0.85	< 4.3
3-Nitroaniline	< 0.34	< 0.34	< 0.34	< 1.7
4-Bromophenyl phenyl ether	< 0.85	< 0.85	< 0.85	< 4.3
4-Chloro-3-methylphenol	< 0.85	< 0.85	< 0.85	< 4.3
4-Chloroaniline	< 0.34	< 0.34	< 0.34	< 1.7
4-Chlorophenyl phenyl ether	< 0.85	< 0.85	< 0.85	< 4.3
4-Methylphenol	< 0.34	< 0.34	< 0.34	< 1.7
4-Nitroaniline	< 1.7	< 1.7	< 1.7	< 8.3
4-Nitrophenol	< 1.7	< 1.7	< 1.7	< 8.3
Acenaphthene	< 0.34	< 0.34	< 0.34	< 1.7
Acenaphthylene	< 0.34	< 0.34	< 0.34	< 1.7
Anthracene	< 0.34	< 0.34	< 0.34	< 1.7
Benzo(a)anthracene	< 0.34	< 0.34	< 0.34	< 1.7
Benzo(a)pyrene	< 0.34	< 0.34	< 0.34	< 1.7
Benzo(b)fluoranthene	< 0.34	< 0.34	< 0.34	< 1.7
Benzo(g,h,i)perylene	< 0.34	< 0.34	< 0.34	< 1.7
Benzo(k)fluoranthene	< 0.34	< 0.34	< 0.34	< 1.7
Benzoic acid	< 1.7	< 1.7	< 1.7	< 8.3
Benzyl alcohol	< 0.85	< 0.85	< 0.85	< 4.3
Bis(2-chloroethoxy) methane	< 0.85	< 0.85	< 0.85	< 4.3
Bis(2-chloroethyl)ether	< 0.34	< 0.34	< 0.34	< 1.7
Bis(2-chloroisopropyl) ether	< 0.34	< 0.34	< 0.34	< 1.7
bis(2-Ethylhexyl) phthalate	< 1.7	< 1.7	< 1.7	< 8.3
Butyl benzyl phthalate	< 0.85	< 0.85	< 0.85	< 4.3
Chrysene	< 0.34	< 0.34	< 0.34	< 1.7
Di-n-butyl phthalate	< 0.85	< 0.85	< 0.85	< 4.3
Di-n-octyl phthalate	< 0.85	< 0.85	< 0.85	< 4.3
Dibenzo(a,h)anthracene	< 0.34	< 0.34	< 0.34	< 1.7
Dibenzofuran	< 0.34	< 0.34	< 0.34	< 1.7
Diethyl phthalate	< 0.85	< 0.85	< 0.85	< 4.3
Dimethyl phthalate	< 0.85	< 0.85	< 0.85	< 4.3

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-17	MFC-18	MFC-19	MFC-20
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/25/02	3/25/02	3/27/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 0.34	< 0.34	< 0.34	< 1.7
Fluorene	< 0.34	< 0.34	< 0.34	< 1.7
Hexachlorobenzene	< 0.34	< 0.34	< 0.34	< 1.7
Hexachlorobutadiene	< 0.34	< 0.34	< 0.34	< 1.7
Hexachlorocyclopentadiene	< 0.85	< 0.85	< 0.85	< 4.3
Hexachloroethane	< 0.34	< 0.34	< 0.34	< 1.7
Indeno(1,2,3-c,d)pyrene	< 0.34	< 0.34	< 0.34	< 1.7
Isophorone	< 0.34	< 0.34	< 0.34	< 1.7
N-Nitroso-di-n-propylamine	< 0.34	< 0.34	< 0.34	< 1.7
N-Nitrosodiphenylamine	< 0.34	< 0.34	< 0.34	< 1.7
Naphthalene	< 0.34	**0.36**	< 0.34	< 1.7
Nitrobenzene	< 0.34	< 0.34	< 0.34	< 1.7
Pentachlorophenol	< 1.7	< 1.7	< 1.7	< 8.3
Phenanthrene	< 0.34	< 0.34	< 0.34	< 1.7
Phenol	< 0.34	< 0.34	< 0.34	< 1.7
Pyrene	< 0.34	< 0.34	< 0.34	< 1.7

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-21
MATRIX	Soil
COLLECTION DATE	3/28/02
DEPTH [1]	COMP [2]
UNITS	mg/kg
1,2,4-Trichlorobenzene	< 0.067
1,2-Dichlorobenzene	< 0.067
1,3-Dichlorobenzene	< 0.067
1,4-Dichlorobenzene	< 0.067
2,4,5-Trichlorophenol	< 0.067
2,4,6-Trichlorophenol	< 0.067
2,4-Dichlorophenol	< 0.067
2,4-Dimethylphenol	< 0.067
2,4-Dinitrophenol	< 0.33
2,4-Dinitrotoluene	< 0.067
2,6-Dinitrotoluene	< 0.067
2-Chloronaphthalene	< 0.067
2-Chlorophenol	< 0.067
2-Methyl-4,6-dinitrophenol	< 0.33
2-Methylnaphthalene	< 0.067
2-Methylphenol	< 0.067
2-Nitroaniline	< 0.33
2-Nitrophenol	< 0.067
3,3-Dichlorobenzidine	< 0.17
3-Nitroaniline	< 0.067
4-Bromophenyl phenyl ether	< 0.17
4-Chloro-3-methylphenol	< 0.17
4-Chloroaniline	< 0.067
4-Chlorophenyl phenyl ether	< 0.17
4-Methylphenol	< 0.067
4-Nitroaniline	< 0.33
4-Nitrophenol	< 0.33
Acenaphthene	< 0.067
Acenaphthylene	< 0.067
Anthracene	< 0.067
Benzo(a)anthracene	< 0.067
Benzo(a)pyrene	< 0.067
Benzo(b)fluoranthene	< 0.067
Benzo(g,h,i)perylene	< 0.067
Benzo(k)fluoranthene	< 0.067
Benzoic acid	< 0.33
Benzyl alcohol	< 0.17
Bis(2-chloroethoxy) methane	< 0.17
Bis(2-chloroethyl)ether	< 0.067
Bis(2-chloroisopropyl) ether	< 0.067
bis(2-Ethylhexyl) phthalate	< 0.33
Butyl benzyl phthalate	< 0.17
Chrysene	< 0.067
Di-n-butyl phthalate	< 0.17
Di-n-octyl phthalate	< 0.17
Dibenzo(a,h)anthracene	< 0.067
Dibenzofuran	< 0.067
Diethyl phthalate	< 0.17
Dimethyl phthalate	< 0.17

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-21
MATRIX	Soil
COLLECTION DATE	3/28/02
DEPTH [1]	COMP [2]
UNITS	mg/kg
Fluoranthene	< 0.067
Fluorene	< 0.067
Hexachlorobenzene	< 0.067
Hexachlorobutadiene	< 0.067
Hexachlorocyclopentadiene	< 0.17
Hexachloroethane	< 0.067
Indeno(1,2,3-c,d)pyrene	< 0.067
Isophorone	< 0.067
N-Nitroso-di-n-propylamine	< 0.067
N-Nitrosodiphenylamine	< 0.067
Naphthalene	< 0.067
Nitrobenzene	< 0.067
Pentachlorophenol	< 0.33
Phenanthrene	< 0.067
Phenol	< 0.067
Pyrene	< 0.067

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of *Oakland*
Oakland, California

LOCATION	MFC-21-DUP	MFC-22	MFC-23
MATRIX	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/28/02	3/28/02
DEPTH [1]	1.5	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 0.34	< 0.067	< 0.067
1,2-Dichlorobenzene	< 0.34	< 0.067	< 0.067
1,3-Dichlorobenzene	< 0.34	< 0.067	< 0.067
1,4-Dichlorobenzene	< 0.34	< 0.067	< 0.067
2,4,5-Trichlorophenol	< 0.34	< 0.067	< 0.067
2,4,6-Trichlorophenol	< 0.34	< 0.067	< 0.067
2,4-Dichlorophenol	< 0.34	< 0.067	< 0.067
2,4-Dimethylphenol	< 0.34	< 0.067	< 0.067
2,4-Dinitrophenol	< 1.7	< 0.33	< 0.33
2,4-Dinitrotoluene	< 0.34	< 0.067	< 0.067
2,6-Dinitrotoluene	< 0.34	< 0.067	< 0.067
2-Chloronaphthalene	< 0.34	< 0.067	< 0.067
2-Chlorophenol	< 0.34	< 0.067	< 0.067
2-Methyl-4,6-dinitrophenol	< 1.7	< 0.33	< 0.33
2-Methylnaphthalene	< 0.34	< 0.067	< 0.067
2-Methylphenol	< 0.34	< 0.067	< 0.067
2-Nitroaniline	< 1.7	< 0.33	< 0.33
2-Nitrophenol	< 0.34	< 0.067	< 0.067
3,3-Dichlorobenzidine	< 0.85	< 0.17	< 0.17
3-Nitroaniline	< 0.34	< 0.067	< 0.067
4-Bromophenyl phenyl ether	< 0.85	< 0.17	< 0.17
4-Chloro-3-methylphenol	< 0.85	< 0.17	< 0.17
4-Chloroaniline	< 0.34	< 0.067	< 0.067
4-Chlorophenyl phenyl ether	< 0.85	< 0.17	< 0.17
4-Methylphenol	< 0.34	< 0.067	< 0.067
4-Nitroaniline	< 1.7	< 0.33	< 0.33
4-Nitrophenol	< 1.7	< 0.33	< 0.33
Acenaphthene	< 0.34	< 0.067	< 0.067
Acenaphthylene	< 0.34	< 0.067	< 0.067
Anthracene	< 0.34	< 0.067	< 0.067
Benzo(a)anthracene	< 0.34	< 0.067	< 0.067
Benzo(a)pyrene	< 0.34	< 0.067	< 0.067
Benzo(b)fluoranthene	< 0.34	< 0.067	< 0.067
Benzo(g,h,i)perylene	< 0.34	< 0.067	< 0.067
Benzo(k)fluoranthene	< 0.34	< 0.067	< 0.067
Benzoic acid	< 1.7	< 0.33	< 0.33
Benzyl alcohol	< 0.85	< 0.17	< 0.17
Bis(2-chloroethoxy) methane	< 0.85	< 0.17	< 0.17
Bis(2-chloroethyl)ether	< 0.34	< 0.067	< 0.067
Bis(2-chloroisopropyl) ether	< 0.34	< 0.067	< 0.067
bis(2-Ethylhexyl) phthalate	< 1.7	< 0.33	< 0.33
Butyl benzyl phthalate	< 0.85	< 0.17	< 0.17
Chrysene	< 0.34	< 0.067	< 0.067
Di-n-butyl phthalate	< 0.85	< 0.17	< 0.17
Di-n-octyl phthalate	< 0.85	< 0.17	< 0.17
Dibenzo(a,h)anthracene	< 0.34	< 0.067	< 0.067
Dibenzofuran	< 0.34	< 0.067	< 0.067
Diethyl phthalate	< 0.85	< 0.17	< 0.17
Dimethyl phthalate	< 0.85	< 0.17	< 0.17

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-21-DUP	MFC-22	MFC-23
MATRIX	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/28/02	3/28/02
DEPTH [1]	1.5	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg
Fluoranthene	< 0.34	< 0.067	< 0.067
Fluorene	< 0.34	< 0.067	< 0.067
Hexachlorobenzene	< 0.34	< 0.067	< 0.067
Hexachlorobutadiene	< 0.34	< 0.067	< 0.067
Hexachlorocyclopentadiene	< 0.85	< 0.17	< 0.17
Hexachloroethane	< 0.34	< 0.067	< 0.067
Indeno(1,2,3-c,d)pyrene	< 0.34	< 0.067	< 0.067
Isophorone	< 0.34	< 0.067	< 0.067
N-Nitroso-di-n-propylamine	< 0.34	< 0.067	< 0.067
N-Nitrosodiphenylamine	< 0.34	< 0.067	< 0.067
Naphthalene	< 0.34	< 0.067	< 0.067
Nitrobenzene	< 0.34	< 0.067	< 0.067
Pentachlorophenol	< 1.7	< 0.33	< 0.33
Phenanthrene	< 0.34	< 0.067	< 0.067
Phenol	< 0.34	< 0.067	< 0.067
Pyrene	< 0.34	< 0.067	< 0.067

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-24	MFC-25	MFC-25-DUP	MFC-26
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/28/02	3/28/02	3/27/02
DEPTH [1]	COMP [2]	4.5	1.0	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 1.7	< 0.34	< 0.67	< 0.067
1,2-Dichlorobenzene	< 1.7	< 0.34	< 0.67	< 0.067
1,3-Dichlorobenzene	< 1.7	< 0.34	< 0.67	< 0.067
1,4-Dichlorobenzene	< 1.7	< 0.34	< 0.67	< 0.067
2,4,5-Trichlorophenol	< 1.7	< 0.34	< 0.67	< 0.067
2,4,6-Trichlorophenol	< 1.7	< 0.34	< 0.67	< 0.067
2,4-Dichlorophenol	< 1.7	< 0.34	< 0.67	< 0.067
2,4-Dimethylphenol	< 1.7	< 0.34	< 0.67	< 0.067
2,4-Dinitrophenol	< 8.3	< 1.7	< 3.3	< 0.33
2,4-Dinitrotoluene	< 1.7	< 0.34	< 0.67	< 0.067
2,6-Dinitrotoluene	< 1.7	< 0.34	< 0.67	< 0.067
2-Chloronaphthalene	< 1.7	< 0.34	< 0.67	< 0.067
2-Chlorophenol	< 1.7	< 0.34	< 0.67	< 0.067
2-Methyl-4,6-dinitrophenol	< 8.3	< 1.7	< 3.3	< 0.33
2-Methylnaphthalene	< 1.7	< 0.34	< 0.67	< 0.067
2-Methylphenol	< 1.7	< 0.34	< 0.67	< 0.067
2-Nitroaniline	< 8.3	< 1.7	< 3.3	< 0.33
2-Nitrophenol	< 1.7	< 0.34	< 0.67	< 0.067
3,3-Dichlorobenzidine	< 4.3	< 0.85	< 1.7	< 0.17
3-Nitroaniline	< 1.7	< 0.34	< 0.67	< 0.067
4-Bromophenyl phenyl ether	< 4.3	< 0.85	< 1.7	< 0.17
4-Chloro-3-methylphenol	< 4.3	< 0.85	< 1.7	< 0.17
4-Chloroaniline	< 1.7	< 0.34	< 0.67	< 0.067
4-Chlorophenyl phenyl ether	< 4.3	< 0.85	< 1.7	< 0.17
4-Methylphenol	< 1.7	< 0.34	< 0.67	< 0.067
4-Nitroaniline	< 8.3	< 1.7	< 3.3	< 0.33
4-Nitrophenol	< 8.3	< 1.7	< 3.3	< 0.33
Acenaphthene	< 1.7	< 0.34	< 0.67	< 0.067
Acenaphthylene	< 1.7	< 0.34	< 0.67	< 0.067
Anthracene	< 1.7	< 0.34	< 0.67	< 0.067
Benzo(a)anthracene	< 1.7	< 0.34	< 0.67	< 0.067
Benzo(a)pyrene	< 1.7	< 0.34	< 0.67	< 0.067
Benzo(b)fluoranthene	< 1.7	< 0.34	< 0.67	< 0.067
Benzo(g,h,i)perylene	< 1.7	< 0.34	< 0.67	< 0.067
Benzo(k)fluoranthene	< 1.7	< 0.34	< 0.67	< 0.067
Benzoic acid	< 8.3	< 1.7	< 3.3	< 0.33
Benzyl alcohol	< 4.3	< 0.85	< 1.7	< 0.17
Bis(2-chloroethoxy) methane	< 4.3	< 0.85	< 1.7	< 0.17
Bis(2-chloroethyl)ether	< 1.7	< 0.34	< 0.67	< 0.067
Bis(2-chloroisopropyl) ether	< 1.7	< 0.34	< 0.67	< 0.067
bis(2-Ethylhexyl) phthalate	< 8.3	< 1.7	< 3.3	< 0.33
Butyl benzyl phthalate	< 4.3	< 0.85	< 1.7	< 0.17
Chrysene	< 1.7	< 0.34	< 0.67	< 0.067
Di-n-butyl phthalate	< 4.3	< 0.85	< 1.7	< 0.17
Di-n-octyl phthalate	< 4.3	< 0.85	< 1.7	< 0.17
Dibenzo(a,h)anthracene	< 1.7	< 0.34	< 0.67	< 0.067
Dibenzofuran	< 1.7	< 0.34	< 0.67	< 0.067
Diethyl phthalate	< 4.3	< 0.85	< 1.7	< 0.17
Dimethyl phthalate	< 4.3	< 0.85	< 1.7	< 0.17

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-24	MFC-25	MFC-25-DUP	MFC-26
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/28/02	3/28/02	3/27/02
DEPTH [1]	COMP [2]	4.5	1.0	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 1.7	< 0.34	< 0.67	< 0.067
Fluorene	< 1.7	< 0.34	< 0.67	< 0.067
Hexachlorobenzene	< 1.7	< 0.34	< 0.67	< 0.067
Hexachlorobutadiene	< 1.7	< 0.34	< 0.67	< 0.067
Hexachlorocyclopentadiene	< 4.3	< 0.85	< 1.7	< 0.17
Hexachloroethane	< 1.7	< 0.34	< 0.67	< 0.067
Indeno(1,2,3-c,d)pyrene	< 1.7	< 0.34	< 0.67	< 0.067
Isophorone	< 1.7	< 0.34	< 0.67	< 0.067
N-Nitroso-di-n-propylamine	< 1.7	< 0.34	< 0.67	< 0.067
N-Nitrosodiphenylamine	< 1.7	< 0.34	< 0.67	< 0.067
Naphthalene	< 1.7	< 0.34	< 0.67	< 0.067
Nitrobenzene	< 1.7	< 0.34	< 0.67	< 0.067
Pentachlorophenol	< 8.3	< 1.7	< 3.3	< 0.33
Phenanthrene	< 1.7	< 0.34	< 0.67	< 0.067
Phenol	< 1.7	< 0.34	< 0.67	< 0.067
Pyrene	< 1.7	< 0.34	< 0.67	< 0.067

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-27	MFC-28	MFC-29	MFC-30
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/26/02	3/27/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 1.7	< 0.34	< 0.067	< 0.67
1,2-Dichlorobenzene	< 1.7	< 0.34	< 0.067	< 0.67
1,3-Dichlorobenzene	< 1.7	< 0.34	< 0.067	< 0.67
1,4-Dichlorobenzene	< 1.7	< 0.34	< 0.067	< 0.67
2,4,5-Trichlorophenol	< 1.7	< 0.34	< 0.067	< 0.67
2,4,6-Trichlorophenol	< 1.7	< 0.34	< 0.067	< 0.67
2,4-Dichlorophenol	< 1.7	< 0.34	< 0.067	< 0.67
2,4-Dimethylphenol	< 1.7	< 0.34	< 0.067	< 0.67
2,4-Dinitrophenol	< 8.3	< 1.7	< 0.33	< 3.3
2,4-Dinitrotoluene	< 1.7	< 0.34	< 0.067	< 0.67
2,6-Dinitrotoluene	< 1.7	< 0.34	< 0.067	< 0.67
2-Chloronaphthalene	< 1.7	< 0.34	< 0.067	< 0.67
2-Chlorophenol	< 1.7	< 0.34	< 0.067	< 0.67
2-Methyl-4,6-dinitrophenol	< 8.3	< 1.7	< 0.33	< 3.3
2-Methylnaphthalene	< 1.7	< 0.34	< 0.067	< 0.67
2-Methylphenol	< 1.7	< 0.34	< 0.067	< 0.67
2-Nitroaniline	< 8.3	< 1.7	< 0.33	< 3.3
2-Nitrophenol	< 1.7	< 0.34	< 0.067	< 0.67
3,3-Dichlorobenzidine	< 4.3	< 0.85	< 0.17	< 1.7
3-Nitroaniline	< 1.7	< 0.34	< 0.067	< 0.67
4-Bromophenyl phenyl ether	< 4.3	< 0.85	< 0.17	< 1.7
4-Chloro-3-methylphenol	< 4.3	< 0.85	< 0.17	< 1.7
4-Chloroaniline	< 1.7	< 0.34	< 0.067	< 0.67
4-Chlorophenyl phenyl ether	< 4.3	< 0.85	< 0.17	< 1.7
4-Methylphenol	< 1.7	< 0.34	< 0.067	< 0.67
4-Nitroaniline	< 8.3	< 1.7	< 0.33	< 3.3
4-Nitrophenol	< 8.3	< 1.7	< 0.33	< 3.3
Acenaphthene	< 1.7	< 0.34	< 0.067	< 0.67
Acenaphthylene	< 1.7	< 0.34	< 0.067	< 0.67
Anthracene	< 1.7	< 0.34	< 0.067	< 0.67
Benzo(a)anthracene	< 1.7	< 0.34	< 0.067	< 0.67
Benzo(a)pyrene	< 1.7	< 0.34	< 0.067	< 0.67
Benzo(b)fluoranthene	< 1.7	< 0.34	< 0.067	< 0.67
Benzo(g,h,i)perylene	< 1.7	< 0.34	< 0.067	< 0.67
Benzo(k)fluoranthene	< 1.7	< 0.34	< 0.067	< 0.67
Benzoic acid	< 8.3	< 1.7	< 0.33	< 3.3
Benzyl alcohol	< 4.3	< 0.85	< 0.17	< 1.7
Bis(2-chloroethoxy) methane	< 4.3	< 0.85	< 0.17	< 1.7
Bis(2-chloroethyl)ether	< 1.7	< 0.34	< 0.067	< 0.67
Bis(2-chloroisopropyl) ether	< 1.7	< 0.34	< 0.067	< 0.67
bis(2-Ethylhexyl) phthalate	< 8.3	< 1.7	< 0.33	< 3.3
Butyl benzyl phthalate	< 4.3	< 0.85	< 0.17	< 1.7
Chrysene	< 1.7	< 0.34	< 0.067	< 0.67
Di-n-butyl phthalate	< 4.3	< 0.85	< 0.17	< 1.7
Di-n-octyl phthalate	< 4.3	< 0.85	< 0.17	< 1.7
Dibenzo(a,h)anthracene	< 1.7	< 0.34	< 0.067	< 0.67
Dibenzofuran	< 1.7	< 0.34	< 0.067	< 0.67
Diethyl phthalate	< 4.3	< 0.85	< 0.17	< 1.7
Dimethyl phthalate	< 4.3	< 0.85	< 0.17	< 1.7

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-27	MFC-28	MFC-29	MFC-30
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/26/02	3/27/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 1.7	< 0.34	< 0.067	< 0.67
Fluorene	< 1.7	< 0.34	< 0.067	< 0.67
Hexachlorobenzene	< 1.7	< 0.34	< 0.067	< 0.67
Hexachlorobutadiene	< 1.7	< 0.34	< 0.067	< 0.67
Hexachlorocyclopentadiene	< 4.3	< 0.85	< 0.17	< 1.7
Hexachloroethane	< 1.7	< 0.34	< 0.067	< 0.67
Indeno(1,2,3-c,d)pyrene	< 1.7	< 0.34	< 0.067	< 0.67
Isophorone	< 1.7	< 0.34	< 0.067	< 0.67
N-Nitroso-di-n-propylamine	< 1.7	< 0.34	< 0.067	< 0.67
N-Nitrosodiphenylamine	< 1.7	< 0.34	< 0.067	< 0.67
Naphthalene	< 1.7	< 0.34	< 0.067	< 0.67
Nitrobenzene	< 1.7	< 0.34	< 0.067	< 0.67
Pentachlorophenol	< 8.3	< 1.7	< 0.33	< 3.3
Phenanthrene	< 1.7	< 0.34	< 0.067	< 0.67
Phenol	< 1.7	< 0.34	< 0.067	< 0.67
Pyrene	< 1.7	< 0.34	< 0.067	< 0.67

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-31	MFC-32	MFC-33	MFC-34
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/26/02	3/25/02	3/26/02
DEPTH [1]	COMP [2]	1.5	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 0.067	< 0.067	< 0.34	< 0.67
1,2-Dichlorobenzene	< 0.067	< 0.067	< 0.34	< 0.67
1,3-Dichlorobenzene	< 0.067	< 0.067	< 0.34	< 0.67
1,4-Dichlorobenzene	< 0.067	< 0.067	< 0.34	< 0.67
2,4,5-Trichlorophenol	< 0.067	< 0.067	< 0.34	< 0.67
2,4,6-Trichlorophenol	< 0.067	< 0.067	< 0.34	< 0.67
2,4-Dichlorophenol	< 0.067	< 0.067	< 0.34	< 0.67
2,4-Dimethylphenol	< 0.067	< 0.067	< 0.34	< 0.67
2,4-Dinitrophenol	< 0.33	< 0.33	< 1.7	< 3.3
2,4-Dinitrotoluene	< 0.067	< 0.067	< 0.34	< 0.67
2,6-Dinitrotoluene	< 0.067	< 0.067	< 0.34	< 0.67
2-Chloronaphthalene	< 0.067	< 0.067	< 0.34	< 0.67
2-Chlorophenol	< 0.067	< 0.067	< 0.34	< 0.67
2-Methyl-4,6-dinitrophenol	< 0.33	< 0.33	< 1.7	< 3.3
2-Methylnaphthalene	< 0.067	< 0.067	< 0.34	< 0.67
2-Methylphenol	< 0.067	< 0.067	< 0.34	< 0.67
2-Nitroaniline	< 0.33	< 0.33	< 1.7	< 3.3
2-Nitrophenol	< 0.067	< 0.067	< 0.34	< 0.67
3,3-Dichlorobenzidine	< 0.17	< 0.17	< 0.85	< 1.7
3-Nitroaniline	< 0.067	< 0.067	< 0.34	< 0.67
4-Bromophenyl phenyl ether	< 0.17	< 0.17	< 0.85	< 1.7
4-Chloro-3-methylphenol	< 0.17	< 0.17	< 0.85	< 1.7
4-Chloroaniline	< 0.067	< 0.067	< 0.34	< 0.67
4-Chlorophenyl phenyl ether	< 0.17	< 0.17	< 0.85	< 1.7
4-Methylphenol	< 0.067	< 0.067	< 0.34	< 0.67
4-Nitroaniline	< 0.33	< 0.33	< 1.7	< 3.3
4-Nitrophenol	< 0.33	< 0.33	< 1.7	< 3.3
Acenaphthene	< 0.067	< 0.067	< 0.34	< 0.67
Acenaphthylene	< 0.067	< 0.067	< 0.34	< 0.67
Anthracene	< 0.067	< 0.067	< 0.34	< 0.67
Benzo(a)anthracene	< 0.067	< 0.067	< 0.34	< 0.67
Benzo(a)pyrene	< 0.067	< 0.067	< 0.34	< 0.67
Benzo(b)fluoranthene	< 0.067	< 0.067	< 0.34	< 0.67
Benzo(g,h,i)perylene	< 0.067	< 0.067	< 0.34	< 0.67
Benzo(k)fluoranthene	< 0.067	< 0.067	< 0.34	< 0.67
Benzoic acid	< 0.33	< 0.33	< 1.7	< 3.3
Benzyl alcohol	< 0.17	< 0.17	< 0.85	< 1.7
Bis(2-chloroethoxy) methane	< 0.17	< 0.17	< 0.85	< 1.7
Bis(2-chloroethyl)ether	< 0.067	< 0.067	< 0.34	< 0.67
Bis(2-chloroisopropyl) ether	< 0.067	< 0.067	< 0.34	< 0.67
bis(2-Ethylhexyl) phthalate	< 0.33	< 0.33	< 1.7	< 3.3
Butyl benzyl phthalate	< 0.17	< 0.17	< 0.85	< 1.7
Chrysene	< 0.067	< 0.067	< 0.34	< 0.67
Di-n-butyl phthalate	< 0.17	< 0.17	< 0.85	< 1.7
Di-n-octyl phthalate	< 0.17	< 0.17	< 0.85	< 1.7
Dibenzo(a,h)anthracene	< 0.067	< 0.067	< 0.34	< 0.67
Dibenzofuran	**0.069**	< 0.067	< 0.34	< 0.67
Diethyl phthalate	< 0.17	< 0.17	< 0.85	< 1.7
Dimethyl phthalate	< 0.17	< 0.17	< 0.85	< 1.7

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-31	MFC-32	MFC-33	MFC-34
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/26/02	3/25/02	3/26/02
DEPTH [1]	COMP [2]	1.5	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 0.067	< 0.067	< 0.34	< 0.67
Fluorene	**0.14**	< 0.067	< 0.34	< 0.67
Hexachlorobenzene	< 0.067	< 0.067	< 0.34	< 0.67
Hexachlorobutadiene	< 0.067	< 0.067	< 0.34	< 0.67
Hexachlorocyclopentadiene	< 0.17	< 0.17	< 0.85	< 1.7
Hexachloroethane	< 0.067	< 0.067	< 0.34	< 0.67
Indeno(1,2,3-c,d)pyrene	< 0.067	< 0.067	< 0.34	< 0.67
Isophorone	< 0.067	< 0.067	< 0.34	< 0.67
N-Nitroso-di-n-propylamine	< 0.067	< 0.067	< 0.34	< 0.67
N-Nitrosodiphenylamine	< 0.067	< 0.067	< 0.34	< 0.67
Naphthalene	< 0.067	< 0.067	< 0.34	< 0.67
Nitrobenzene	< 0.067	< 0.067	< 0.34	< 0.67
Pentachlorophenol	< 0.33	< 0.33	< 1.7	< 3.3
Phenanthrene	**0.32**	< 0.067	< 0.34	**0.73**
Phenol	< 0.067	< 0.067	< 0.34	< 0.67
Pyrene	< 0.067	< 0.067	< 0.34	< 0.67

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-35	MFC-36	MFC-36- DUP	MFC-37
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/28/02	3/28/02	3/25/02
DEPTH [1]	COMP [2]	COMP [2]	1.5	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 0.34	< 3.4	< 0.34	< 0.067
1,2-Dichlorobenzene	< 0.34	< 3.4	< 0.34	< 0.067
1,3-Dichlorobenzene	< 0.34	< 3.4	< 0.34	< 0.067
1,4-Dichlorobenzene	< 0.34	< 3.4	< 0.34	< 0.067
2,4,5-Trichlorophenol	< 0.34	< 3.4	< 0.34	< 0.067
2,4,6-Trichlorophenol	< 0.34	< 3.4	< 0.34	< 0.067
2,4-Dichlorophenol	< 0.34	< 3.4	< 0.34	< 0.067
2,4-Dimethylphenol	< 0.34	< 3.4	< 0.34	< 0.067
2,4-Dinitrophenol	< 1.7	< 17	< 1.7	< 0.33
2,4-Dinitrotoluene	< 0.34	< 3.4	< 0.34	< 0.067
2,6-Dinitrotoluene	< 0.34	< 3.4	< 0.34	< 0.067
2-Chloronaphthalene	< 0.34	< 3.4	< 0.34	< 0.067
2-Chlorophenol	< 0.34	< 3.4	< 0.34	< 0.067
2-Methyl-4,6-dinitrophenol	< 1.7	< 17	< 1.7	< 0.33
2-Methylnaphthalene	< 0.34	< 3.4	< 0.34	**2.4**
2-Methylphenol	< 0.34	< 3.4	< 0.34	< 0.067
2-Nitroaniline	< 1.7	< 17	< 1.7	< 0.33
2-Nitrophenol	< 0.34	< 3.4	< 0.34	< 0.067
3,3-Dichlorobenzidine	< 0.85	< 8.5	< 0.85	< 0.17
3-Nitroaniline	< 0.34	< 3.4	< 0.34	< 0.067
4-Bromophenyl phenyl ether	< 0.85	< 8.5	< 0.85	< 0.17
4-Chloro-3-methylphenol	< 0.85	< 8.5	< 0.85	< 0.17
4-Chloroaniline	< 0.34	< 3.4	< 0.34	< 0.067
4-Chlorophenyl phenyl ether	< 0.85	< 8.5	< 0.85	< 0.17
4-Methylphenol	< 0.34	< 3.4	< 0.34	< 0.067
4-Nitroaniline	< 1.7	< 17	< 1.7	< 0.33
4-Nitrophenol	< 1.7	< 17	< 1.7	< 0.33
Acenaphthene	< 0.34	< 3.4	< 0.34	< 0.067
Acenaphthylene	< 0.34	< 3.4	< 0.34	< 0.067
Anthracene	< 0.34	< 3.4	< 0.34	**0.074**
Benzo(a)anthracene	< 0.34	< 3.4	< 0.34	< 0.067
Benzo(a)pyrene	< 0.34	< 3.4	< 0.34	< 0.067
Benzo(b)fluoranthene	< 0.34	< 3.4	< 0.34	< 0.067
Benzo(g,h,i)perylene	< 0.34	< 3.4	< 0.34	< 0.067
Benzo(k)fluoranthene	< 0.34	< 3.4	< 0.34	< 0.067
Benzoic acid	< 1.7	< 17	< 1.7	< 0.33
Benzyl alcohol	< 0.85	< 8.5	< 0.85	< 0.17
Bis(2-chloroethoxy) methane	< 0.85	< 8.5	< 0.85	< 0.17
Bis(2-chloroethyl)ether	< 0.34	< 3.4	< 0.34	< 0.067
Bis(2-chloroisopropyl) ether	< 0.34	< 3.4	< 0.34	< 0.067
bis(2-Ethylhexyl) phthalate	< 1.7	< 17	< 1.7	< 0.33
Butyl benzyl phthalate	< 0.85	< 8.5	< 0.85	< 0.17
Chrysene	< 0.34	< 3.4	< 0.34	< 0.067
Di-n-butyl phthalate	< 0.85	< 8.5	< 0.85	< 0.17
Di-n-octyl phthalate	< 0.85	< 8.5	< 0.85	< 0.17
Dibenzo(a,h)anthracene	< 0.34	< 3.4	< 0.34	< 0.067
Dibenzofuran	< 0.34	< 3.4	< 0.34	< 0.067
Diethyl phthalate	< 0.85	< 8.5	< 0.85	< 0.17
Dimethyl phthalate	< 0.85	< 8.5	< 0.85	< 0.17

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-35	MFC-36	MFC-36- DUP	MFC-37
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/28/02	3/28/02	3/25/02
DEPTH [1]	COMP [2]	COMP [2]	1.5	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 0.34	< 3.4	< 0.34	< 0.067
Fluorene	< 0.34	< 3.4	< 0.34	**0.66**
Hexachlorobenzene	< 0.34	< 3.4	< 0.34	< 0.067
Hexachlorobutadiene	< 0.34	< 3.4	< 0.34	< 0.067
Hexachlorocyclopentadiene	< 0.85	< 8.5	< 0.85	< 0.17
Hexachloroethane	< 0.34	< 3.4	< 0.34	< 0.067
Indeno(1,2,3-c,d)pyrene	< 0.34	< 3.4	< 0.34	< 0.067
Isophorone	< 0.34	< 3.4	< 0.34	< 0.067
N-Nitroso-di-n-propylamine	< 0.34	< 3.4	< 0.34	< 0.067
N-Nitrosodiphenylamine	< 0.34	< 3.4	< 0.34	< 0.067
Naphthalene	< 0.34	< 3.4	< 0.34	**0.47**
Nitrobenzene	< 0.34	< 3.4	< 0.34	< 0.067
Pentachlorophenol	< 1.7	< 17	< 1.7	< 0.33
Phenanthrene	< 0.34	< 3.4	< 0.34	**0.99**
Phenol	< 0.34	< 3.4	< 0.34	< 0.067
Pyrene	< 0.34	< 3.4	< 0.34	**0.091**

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-38	MFC-39	MFC-40	MFC-41
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	COMP [2]	1.5	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 0.067	< 0.067	< 0.067	< 0.067
1,2-Dichlorobenzene	< 0.067	< 0.067	< 0.067	< 0.067
1,3-Dichlorobenzene	< 0.067	< 0.067	< 0.067	< 0.067
1,4-Dichlorobenzene	< 0.067	< 0.067	< 0.067	< 0.067
2,4,5-Trichlorophenol	< 0.067	< 0.067	< 0.067	< 0.067
2,4,6-Trichlorophenol	< 0.067	< 0.067	< 0.067	< 0.067
2,4-Dichlorophenol	< 0.067	< 0.067	< 0.067	< 0.067
2,4-Dimethylphenol	< 0.067	< 0.067	< 0.067	< 0.067
2,4-Dinitrophenol	< 0.33	< 0.33	< 0.33	< 0.33
2,4-Dinitrotoluene	< 0.067	< 0.067	< 0.067	< 0.067
2,6-Dinitrotoluene	< 0.067	< 0.067	< 0.067	< 0.067
2-Chloronaphthalene	< 0.067	< 0.067	< 0.067	< 0.067
2-Chlorophenol	< 0.067	< 0.067	< 0.067	< 0.067
2-Methyl-4,6-dinitrophenol	< 0.33	< 0.33	< 0.33	< 0.33
2-Methylnaphthalene	< 0.067	< 0.067	< 0.067	< 0.067
2-Methylphenol	< 0.067	< 0.067	< 0.067	< 0.067
2-Nitroaniline	< 0.33	< 0.33	< 0.33	< 0.33
2-Nitrophenol	< 0.067	< 0.067	< 0.067	< 0.067
3,3-Dichlorobenzidine	< 0.17	< 0.17	< 0.17	< 0.17
3-Nitroaniline	< 0.067	< 0.067	< 0.067	< 0.067
4-Bromophenyl phenyl ether	< 0.17	< 0.17	< 0.17	< 0.17
4-Chloro-3-methylphenol	< 0.17	< 0.17	< 0.17	< 0.17
4-Chloroaniline	< 0.067	< 0.067	< 0.067	< 0.067
4-Chlorophenyl phenyl ether	< 0.17	< 0.17	< 0.17	< 0.17
4-Methylphenol	< 0.067	< 0.067	< 0.067	< 0.067
4-Nitroaniline	< 0.33	< 0.33	< 0.33	< 0.33
4-Nitrophenol	< 0.33	< 0.33	< 0.33	< 0.33
Acenaphthene	< 0.067	< 0.067	< 0.067	< 0.067
Acenaphthylene	< 0.067	< 0.067	< 0.067	< 0.067
Anthracene	< 0.067	< 0.067	< 0.067	< 0.067
Benzo(a)anthracene	< 0.067	< 0.067	< 0.067	< 0.067
Benzo(a)pyrene	< 0.067	< 0.067	< 0.067	< 0.067
Benzo(b)fluoranthene	< 0.067	< 0.067	< 0.067	< 0.067
Benzo(g,h,i)perylene	< 0.067	< 0.067	< 0.067	< 0.067
Benzo(k)fluoranthene	< 0.067	< 0.067	< 0.067	< 0.067
Benzoic acid	< 0.33	< 0.33	< 0.33	< 0.33
Benzyl alcohol	< 0.17	< 0.17	< 0.17	< 0.17
Bis(2-chloroethoxy) methane	< 0.17	< 0.17	< 0.17	< 0.17
Bis(2-chloroethyl)ether	< 0.067	< 0.067	< 0.067	< 0.067
Bis(2-chloroisopropyl) ether	< 0.067	< 0.067	< 0.067	< 0.067
bis(2-Ethylhexyl) phthalate	< 0.33	< 0.33	< 0.33	< 0.33
Butyl benzyl phthalate	< 0.17	< 0.17	< 0.17	< 0.17
Chrysene	< 0.067	< 0.067	< 0.067	< 0.067
Di-n-butyl phthalate	< 0.17	< 0.17	< 0.17	< 0.17
Di-n-octyl phthalate	< 0.17	< 0.17	< 0.17	< 0.17
Dibenzo(a,h)anthracene	< 0.067	< 0.067	< 0.067	< 0.067
Dibenzofuran	< 0.067	< 0.067	< 0.067	< 0.067
Diethyl phthalate	< 0.17	< 0.17	< 0.17	< 0.17
Dimethyl phthalate	< 0.17	< 0.17	< 0.17	< 0.17

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-38	MFC-39	MFC-40	MFC-41
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02
DEPTH [1]	COMP [2]	1.5	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 0.067	< 0.067	< 0.067	< 0.067
Fluorene	< 0.067	< 0.067	< 0.067	< 0.067
Hexachlorobenzene	< 0.067	< 0.067	< 0.067	< 0.067
Hexachlorobutadiene	< 0.067	< 0.067	< 0.067	< 0.067
Hexachlorocyclopentadiene	< 0.17	< 0.17	< 0.17	< 0.17
Hexachloroethane	< 0.067	< 0.067	< 0.067	< 0.067
Indeno(1,2,3-c,d)pyrene	< 0.067	< 0.067	< 0.067	< 0.067
Isophorone	< 0.067	< 0.067	< 0.067	< 0.067
N-Nitroso-di-n-propylamine	< 0.067	< 0.067	< 0.067	< 0.067
N-Nitrosodiphenylamine	< 0.067	< 0.067	< 0.067	< 0.067
Naphthalene	< 0.067	< 0.067	< 0.067	< 0.067
Nitrobenzene	< 0.067	< 0.067	< 0.067	< 0.067
Pentachlorophenol	< 0.33	< 0.33	< 0.33	< 0.33
Phenanthrene	< 0.067	< 0.067	< 0.067	< 0.067
Phenol	< 0.067	< 0.067	< 0.067	< 0.067
Pyrene	< 0.067	< 0.067	< 0.067	< 0.067

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-43	MFC-44	MFC-45	MFC-46
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/26/02	3/28/02	3/27/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
1,2,4-Trichlorobenzene	< 0.34	< 0.67	< 0.067	< 0.34
1,2-Dichlorobenzene	< 0.34	< 0.67	< 0.067	< 0.34
1,3-Dichlorobenzene	< 0.34	< 0.67	< 0.067	< 0.34
1,4-Dichlorobenzene	< 0.34	< 0.67	< 0.067	< 0.34
2,4,5-Trichlorophenol	< 0.34	< 0.67	< 0.067	< 0.34
2,4,6-Trichlorophenol	< 0.34	< 0.67	< 0.067	< 0.34
2,4-Dichlorophenol	< 0.34	< 0.67	< 0.067	< 0.34
2,4-Dimethylphenol	< 0.34	< 0.67	< 0.067	< 0.34
2,4-Dinitrophenol	< 1.7	< 3.3	< 0.33	< 1.7
2,4-Dinitrotoluene	< 0.34	< 0.67	< 0.067	< 0.34
2,6-Dinitrotoluene	< 0.34	< 0.67	< 0.067	< 0.34
2-Chloronaphthalene	< 0.34	< 0.67	< 0.067	< 0.34
2-Chlorophenol	< 0.34	< 0.67	< 0.067	< 0.34
2-Methyl-4,6-dinitrophenol	< 1.7	< 3.3	< 0.33	< 1.7
2-Methylnaphthalene	< 0.34	< 0.67	< 0.067	< 0.34
2-Methylphenol	< 0.34	< 0.67	< 0.067	< 0.34
2-Nitroaniline	< 1.7	< 3.3	< 0.33	< 1.7
2-Nitrophenol	< 0.34	< 0.67	< 0.067	< 0.34
3,3-Dichlorobenzidine	< 0.85	< 1.7	< 0.17	< 0.85
3-Nitroaniline	< 0.34	< 0.67	< 0.067	< 0.34
4-Bromophenyl phenyl ether	< 0.85	< 1.7	< 0.17	< 0.85
4-Chloro-3-methylphenol	< 0.85	< 1.7	< 0.17	< 0.85
4-Chloroaniline	< 0.34	< 0.67	< 0.067	< 0.34
4-Chlorophenyl phenyl ether	< 0.85	< 1.7	< 0.17	< 0.85
4-Methylphenol	< 0.34	< 0.67	< 0.067	< 0.34
4-Nitroaniline	< 1.7	< 3.3	< 0.33	< 1.7
4-Nitrophenol	< 1.7	< 3.3	< 0.33	< 1.7
Acenaphthene	< 0.34	< 0.67	< 0.067	< 0.34
Acenaphthylene	< 0.34	< 0.67	< 0.067	< 0.34
Anthracene	< 0.34	< 0.67	< 0.067	< 0.34
Benzo(a)anthracene	< 0.34	< 0.67	< 0.067	< 0.34
Benzo(a)pyrene	< 0.34	< 0.67	< 0.067	< 0.34
Benzo(b)fluoranthene	< 0.34	< 0.67	< 0.067	< 0.34
Benzo(g,h,i)perylene	< 0.34	< 0.67	< 0.067	< 0.34
Benzo(k)fluoranthene	< 0.34	< 0.67	< 0.067	< 0.34
Benzoic acid	< 1.7	< 3.3	< 0.33	< 1.7
Benzyl alcohol	< 0.85	< 1.7	< 0.17	< 0.85
Bis(2-chloroethoxy) methane	< 0.85	< 1.7	< 0.17	< 0.85
Bis(2-chloroethyl)ether	< 0.34	< 0.67	< 0.067	< 0.34
Bis(2-chloroisopropyl) ether	< 0.34	< 0.67	< 0.067	< 0.34
bis(2-Ethylhexyl) phthalate	< 1.7	< 3.3	< 0.33	< 1.7
Butyl benzyl phthalate	< 0.85	< 1.7	< 0.17	< 0.85
Chrysene	< 0.34	< 0.67	< 0.067	< 0.34
Di-n-butyl phthalate	< 0.85	< 1.7	< 0.17	< 0.85
Di-n-octyl phthalate	< 0.85	< 1.7	< 0.17	< 0.85
Dibenzo(a,h)anthracene	< 0.34	< 0.67	< 0.067	< 0.34
Dibenzofuran	< 0.34	< 0.67	< 0.067	< 0.34
Diethyl phthalate	< 0.85	< 1.7	< 0.17	< 0.85
Dimethyl phthalate	< 0.85	< 1.7	< 0.17	< 0.85

TABLE 8: SOIL CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-43	MFC-44	MFC-45	MFC-46
MATRIX	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/26/02	3/28/02	3/27/02
DEPTH [1]	COMP [2]	COMP [2]	COMP [2]	COMP [2]
UNITS	mg/kg	mg/kg	mg/kg	mg/kg
Fluoranthene	< 0.34	< 0.67	< 0.067	< 0.34
Fluorene	< 0.34	< 0.67	< 0.067	< 0.34
Hexachlorobenzene	< 0.34	< 0.67	< 0.067	< 0.34
Hexachlorobutadiene	< 0.34	< 0.67	< 0.067	< 0.34
Hexachlorocyclopentadiene	< 0.85	< 1.7	< 0.17	< 0.85
Hexachloroethane	< 0.34	< 0.67	< 0.067	< 0.34
Indeno(1,2,3-c,d)pyrene	< 0.34	< 0.67	< 0.067	< 0.34
Isophorone	< 0.34	< 0.67	< 0.067	< 0.34
N-Nitroso-di-n-propylamine	< 0.34	< 0.67	< 0.067	< 0.34
N-Nitrosodiphenylamine	< 0.34	< 0.67	< 0.067	< 0.34
Naphthalene	< 0.34	< 0.67	< 0.067	< 0.34
Nitrobenzene	< 0.34	< 0.67	< 0.067	< 0.34
Pentachlorophenol	< 1.7	< 3.3	< 0.33	< 1.7
Phenanthrene	< 0.34	< 0.67	< 0.067	< 0.34
Phenol	< 0.34	< 0.67	< 0.067	< 0.34
Pyrene	< 0.34	< 0.67	< 0.067	< 0.34

Notes:

(1) Soil samples collected in six-inch tubes prior to compositing.

(2) COMP = Composite Samples; samples from this location were composited into one sample for this analysis.

mg/kg = milligrams per kilogram

Samples were analyzed for Semivoltile Organic Compounds (SVOCs) by EPA Method 8270.

TABLE 9: GROUNDWATER CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-06	MFC-07	MFC-08	MFC-09	MFC-12	MFC-14
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/27/02	3/28/02	3/28/02	3/27/02	3/28/02	3/25/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,2,4-Trichlorobenzene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
1,2-Dichlorobenzene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
1,3-Dichlorobenzene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
1,4-Dichlorobenzene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
2,4,5-Trichlorophenol	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
2,4,6-Trichlorophenol	< 10	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
2,4-Dichlorophenol	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
2,4-Dimethylphenol	< 5.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
2,4-Dinitrophenol	< 2.0	< 30	< 14	< 12	< 23	< 12
2,4-Dinitrotoluene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
2,6-Dinitrotoluene	< 10	< 15	< 6.9	< 6.0	< 12	< 6.0
2-Chloronaphthalene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
2-Chlorophenol	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
2-Methyl-4,6-dinitrophenol	< 10	< 30	< 14	< 12	< 23	< 12
2-Methylnaphthalene	< 2.0	< 6.0	< 2.8	< 2.4	**40**	< 2.4
2-Methylphenol	< 5.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
2-Nitroaniline	< 2.0	< 30	< 14	< 12	< 23	< 12
2-Nitrophenol	< 5.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
3,3-Dichlorobenzidine	< 5.0	< 15	< 6.9	< 6.0	< 12	< 6.0
3-Nitroaniline	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
4-Bromophenyl phenyl ether	< 5.0	< 15	< 6.9	< 6.0	< 12	< 6.0
4-Chloro-3-methylphenol	< 2.0	< 15	< 6.9	< 6.0	< 12	< 6.0
4-Chloroaniline	< 10	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
4-Chlorophenyl phenyl ether	< 10	< 15	< 6.9	< 6.0	< 12	< 6.0
4-Methylphenol	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
4-Nitroaniline	< 2.0	< 30	< 14	< 12	< 23	< 12
4-Nitrophenol	< 2.0	< 30	< 14	< 12	< 23	< 12
Acenaphthene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Acenaphthylene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Anthracene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Benzo(a)anthracene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Benzo(a)pyrene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Benzo(b)fluoranthene	< 10	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Benzo(g,h,i)perylene	< 5.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Benzo(k)fluoranthene	< 5.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Benzoic acid	< 2.0	< 30	< 14	< 12	< 23	< 12
Benzyl alcohol	< 2.0	< 15	< 6.9	< 6.0	< 12	< 6.0
Bis(2-chloroethoxy) methane	< 10	< 15	< 6.9	< 6.0	< 12	< 6.0
Bis(2-chloroethyl)ether	< 5.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Bis(2-chloroisopropyl) ether	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
bis(2-Ethylhexyl) phthalate	< 5.0	< 30	< 14	< 12	< 23	< 12
Butyl benzyl phthalate	< 5.0	< 15	< 6.9	< 6.0	< 12	< 6.0
Chrysene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Di-n-butyl phthalate	< 2.0	< 15	< 6.9	< 6.0	< 12	< 6.0
Di-n-octyl phthalate	< 5.0	< 15	< 6.9	< 6.0	< 12	< 6.0
Dibenzo(a,h)anthracene	< 5.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Dibenzofuran	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Diethyl phthalate	< 2.0	< 15	< 6.9	< 6.0	< 12	< 6.0
Dimethyl phthalate	< 2.0	< 15	< 6.9	< 6.0	< 12	< 6.0

TABLE 9: GROUNDWATER CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-06	MFC-07	MFC-08	MFC-09	MFC-12	MFC-14
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/27/02	3/28/02	3/28/02	3/27/02	3/28/02	3/25/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Fluoranthene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Fluorene	< 5.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Hexachlorobenzene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Hexachlorobutadiene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Hexachlorocyclopentadiene	< 2.0	< 15	< 6.9	< 6.0	< 12	< 6.0
Hexachloroethane	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Indeno(1,2,3-c,d)pyrene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Isophorone	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
N-Nitroso-di-n-propylamine	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
N-Nitrosodiphenylamine	< 10	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Naphthalene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Nitrobenzene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Pentachlorophenol	< 2.0	< 30	< 14	< 12	< 23	< 12
Phenanthrene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Phenol	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4
Pyrene	< 2.0	< 6.0	< 2.8	< 2.4	< 4.7	< 2.4

Notes:

GW = Grab Groundwater Sample

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Semivolatile Organic Compounds (SVOCs) by EPA Method 8270.

µg/L = micrograms per liter

TABLE 9: GROUNDWATER CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-14-DUP	MFC-15	MFC-18	MFC-19	MFC-31	MFC-31
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/25/02	3/26/02	3/25/02	3/25/02	3/25/02	3/28/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
1,2,4-Trichlorobenzene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
1,2-Dichlorobenzene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
1,3-Dichlorobenzene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
1,4-Dichlorobenzene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
2,4,5-Trichlorophenol	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
2,4,6-Trichlorophenol	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
2,4-Dichlorophenol	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
2,4-Dimethylphenol	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
2,4-Dinitrophenol	< 12	< 10	< 110	< 50	< 10	< 100
2,4-Dinitrotoluene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
2,6-Dinitrotoluene	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
2-Chloronaphthalene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
2-Chlorophenol	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
2-Methyl-4,6-dinitrophenol	< 12	< 10	< 110	< 50	< 10	< 100
2-Methylnaphthalene	< 2.3	< 2.0	**760**	**280**	**130**	**640**
2-Methylphenol	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
2-Nitroaniline	< 12	< 10	< 110	< 50	< 10	< 100
2-Nitrophenol	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
3,3-Dichlorobenzidine	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
3-Nitroaniline	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
4-Bromophenyl phenyl ether	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
4-Chloro-3-methylphenol	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
4-Chloroaniline	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
4-Chlorophenyl phenyl ether	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
4-Methylphenol	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
4-Nitroaniline	< 12	< 10	< 110	< 50	< 10	< 100
4-Nitrophenol	< 12	< 10	< 110	< 50	< 10	< 100
Acenaphthene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Acenaphthylene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Anthracene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Benzo(a)anthracene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Benzo(a)pyrene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Benzo(b)fluoranthene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Benzo(g,h,i)perylene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Benzo(k)fluoranthene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Benzoic acid	< 12	< 10	< 110	< 50	< 10	< 100
Benzyl alcohol	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
Bis(2-chloroethoxy) methane	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
Bis(2-chloroethyl)ether	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Bis(2-chloroisopropyl) ether	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
bis(2-Ethylhexyl) phthalate	< 12	< 10	< 110	< 50	< 10	< 100
Butyl benzyl phthalate	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
Chrysene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Di-n-butyl phthalate	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
Di-n-octyl phthalate	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
Dibenzo(a,h)anthracene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Dibenzofuran	< 2.3	< 2.0	< 23	< 10	**4.6**	< 20
Diethyl phthalate	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
Dimethyl phthalate	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50

TABLE 9: GROUNDWATER CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-14-DUP	MFC-15	MFC-18	MFC-19	MFC-31	MFC-31
MATRIX	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/25/02	3/26/02	3/25/02	3/25/02	3/25/02	3/28/02
UNITS	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Fluoranthene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Fluorene	< 2.3	< 2.0	**64**	**44**	**14**	**81**
Hexachlorobenzene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Hexachlorobutadiene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Hexachlorocyclopentadiene	< 5.8	< 5.0	< 57	< 25	< 5.0	< 50
Hexachloroethane	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Indeno(1,2,3-c,d)pyrene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Isophorone	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
N-Nitroso-di-n-propylamine	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
N-Nitrosodiphenylamine	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Naphthalene	< 2.3	< 2.0	**380**	**140**	**130**	**390**
Nitrobenzene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Pentachlorophenol	< 12	< 10	< 110	< 50	< 10	< 100
Phenanthrene	< 2.3	< 2.0	**180**	**110**	**33**	**170**
Phenol	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20
Pyrene	< 2.3	< 2.0	< 23	< 10	< 2.0	< 20

Notes:

GW = Grab Groundwater Sample

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Semivolatile Organic Compounds (SVOCs) by EPA Method 8270.

µg/L = micrograms per liter

TABLE 9: GROUNDWATER CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-35	MFC-37
MATRIX	GW	GW
COLLECTION DATE	3/25/02	3/26/02
UNITS	µg/L	µg/L
1,2,4-Trichlorobenzene	< 20	< 4.7
1,2-Dichlorobenzene	< 20	< 4.7
1,3-Dichlorobenzene	< 20	< 4.7
1,4-Dichlorobenzene	< 20	< 4.7
2,4,5-Trichlorophenol	< 20	< 4.7
2,4,6-Trichlorophenol	< 20	< 4.7
2,4-Dichlorophenol	< 20	< 4.7
2,4-Dimethylphenol	< 20	< 4.7
2,4-Dinitrophenol	< 100	< 24
2,4-Dinitrotoluene	< 20	< 4.7
2,6-Dinitrotoluene	< 50	< 12
2-Chloronaphthalene	< 20	< 4.7
2-Chlorophenol	< 20	< 4.7
2-Methyl-4,6-dinitrophenol	< 100	< 24
2-Methylnaphthalene	**630**	< 4.7
2-Methylphenol	< 20	< 4.7
2-Nitroaniline	< 100	< 24
2-Nitrophenol	< 20	< 4.7
3,3-Dichlorobenzidine	< 50	< 12
3-Nitroaniline	< 20	< 4.7
4-Bromophenyl phenyl ether	< 50	< 12
4-Chloro-3-methylphenol	< 50	< 12
4-Chloroaniline	< 20	< 4.7
4-Chlorophenyl phenyl ether	< 50	< 12
4-Methylphenol	< 20	< 4.7
4-Nitroaniline	< 100	< 24
4-Nitrophenol	< 100	< 24
Acenaphthene	< 20	< 4.7
Acenaphthylene	< 20	< 4.7
Anthracene	< 20	< 4.7
Benzo(a)anthracene	< 20	< 4.7
Benzo(a)pyrene	< 20	< 4.7
Benzo(b)fluoranthene	< 20	< 4.7
Benzo(g,h,i)perylene	< 20	< 4.7
Benzo(k)fluoranthene	< 20	< 4.7
Benzoic acid	< 100	< 24
Benzyl alcohol	< 50	< 12
Bis(2-chloroethoxy) methane	< 50	< 12
Bis(2-chloroethyl)ether	< 20	< 4.7
Bis(2-chloroisopropyl) ether	< 20	< 4.7
bis(2-Ethylhexyl) phthalate	< 100	< 24
Butyl benzyl phthalate	< 50	< 12
Chrysene	< 20	< 4.7
Di-n-butyl phthalate	< 50	< 12
Di-n-octyl phthalate	< 50	< 12
Dibenzo(a,h)anthracene	< 20	< 4.7
Dibenzofuran	< 20	< 4.7
Diethyl phthalate	< 50	< 12
Dimethyl phthalate	< 50	< 12

TABLE 9: GROUNDWATER CHEMICAL TEST RESULTS - Semivolatile Organic Compounds
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-35	MFC-37
MATRIX	GW	GW
COLLECTION DATE	3/25/02	3/26/02
UNITS	µg/L	µg/L
Fluoranthene	< 20	< 4.7
Fluorene	**78**	**18**
Hexachlorobenzene	< 20	< 4.7
Hexachlorobutadiene	< 20	< 4.7
Hexachlorocyclopentadiene	< 50	< 12
Hexachloroethane	< 20	< 4.7
Indeno(1,2,3-c,d)pyrene	< 20	< 4.7
Isophorone	< 20	< 4.7
N-Nitroso-di-n-propylamine	< 20	< 4.7
N-Nitrosodiphenylamine	< 20	< 4.7
Naphthalene	**190**	< 4.7
Nitrobenzene	< 20	< 4.7
Pentachlorophenol	< 100	< 24
Phenanthrene	**130**	**32**
Phenol	< 20	< 4.7
Pyrene	< 20	< 4.7

Notes:

GW = Grab Groundwater Sample

Grab Groundwater samples were collected from temporary wells installed during the investigation.

Samples were analyzed for Semivolatile Organic Compounds (SVOCs) by EPA Method 8270.

µg/L = micrograms per liter

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-01	MFC-01	MFC-01	MFC-02	MFC-02	MFC-02	MFC-03
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
BEGINNING DEPTH [1]	1.0	2.0	4.0	1.5	4.5	5.5	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	**4.1**	**2.8**	< 2.0	**3.9**	< 2.0	< 2.0	< 2.0
Arsenic	**140**	**5.8**	**3.4**	**97**	**3.5**	**2.9**	**2.9**
Barium	**58**	**53**	**78**	**69**	**92**	**42**	**120**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**4.0**	**3.2**	**2.0**	**3.3**	**2.0**	**1.5**	**2.1**
Chromium	**21**	**36**	**31**	**25**	**34**	**35**	**11**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**6.7**	**7.8**	**6.1**	**14**	**7.1**	**5.1**	**5.3**
Copper	**110**	**33**	**15**	**60**	**13**	**5.6**	**15**
Lead	**200**	**65**	**21**	**61**	**6.1**	**2.4**	**7.9**
Lead (Organic)	--	--	--	--	--	--	--
Mercury	**0.13**	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	**0.18**
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**41**	**52**	**37**	**39**	**44**	**33**	**16**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**25**	**18**	**21**	**19**	**19**	**19**	**21**
Zinc	**81**	**39**	**27**	**49**	**44**	**16**	**28**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-03	MFC-03	MFC-04	MFC-04	MFC-04	MFC-05	MFC-05
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
BEGINNING DEPTH [1]	4.5	7.5	5.0	8.5	11.0	5.0	8.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**12**	< 2.0
Arsenic	**22**	**3.4**	**4.0**	**3.5**	**3.4**	**33**	**4.3**
Barium	**43**	**84**	**64**	**160**	**65**	**58**	**45**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**1.9**	**1.9**	**2.3**	**1.8**	**1.7**	**3.2**	**1.6**
Chromium	**31**	**34**	**40**	**37**	**32**	**30**	**33**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**5.2**	**6.8**	**7.4**	**5.3**	**4.8**	**6.9**	**5.4**
Copper	**20**	**11**	**110**	**11**	**8.7**	**380**	**12**
Lead	**8.5**	**3.4**	**5.0**	**3.3**	**3.8**	**410**	**11**
Lead (Organic)	--	--	--	--	--	--	--
Mercury	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	**0.36**	< 0.050
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**30**	**52**	**39**	**56**	**32**	**38**	**34**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**23**	**23**	**23**	**21**	**21**	**27**	**24**
Zinc	**42**	**23**	**30**	**21**	**22**	**180**	**25**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-05	MFC-06	MFC-06	MFC-07	MFC-07	MFC-07	MFC-08
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02
BEGINNING DEPTH [1]	11.0	5.0	8.5	3.0	5.0	8.5	2.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	**3.3**	< 2.0	**5.1**	**4.7**	< 2.0	**11**
Arsenic	**4.4**	**68**	**2.6**	**140**	**34**	**2.1**	**34**
Barium	**92**	**60**	**44**	**60**	**80**	**36**	**68**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**1.7**	**3.1**	**1.5**	**2.6**	**3.5**	**1.4**	**2.5**
Chromium	**33**	**39**	**36**	**24**	**32**	**31**	**32**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**5.0**	**7.7**	**5.5**	**6.0**	**8.3**	**5.3**	**6.5**
Copper	**9.5**	**71**	**7.4**	**79**	**120**	**6.6**	**270**
Lead	**3.5**	**120**	**3.3**	**150**	**200**	**2.6**	**680**
Lead (Organic)	--	--	<0.50	--	--	<0.50	--
Mercury	< 0.050	**0.091**	< 0.050	**0.091**	**0.17**	< 0.050	**0.052**
Molybdenum	< 1.0	**1.1**	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0
Nickel	**34**	**67**	**42**	**36**	**43**	**34**	**39**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**24**	**30**	**22**	**22**	**30**	**20**	**27**
Zinc	**21**	**79**	**20**	**89**	**89**	**17**	**110**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
– = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-08	MFC-09	MFC-09	MFC-10	MFC-10	MFC-11	MFC-11
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/27/02	3/27/02	3/27/02	3/27/02
BEGINNING DEPTH [1]	5.0	2.0	5.0	1.5	5.0	1.5	4.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	**3.0**	**7.9**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**24**	**150**	**3.9**	**8.4**	**6.1**	**7.1**	**2.7**
Barium	**65**	**110**	**70**	**110**	**180**	**40**	**20**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**2.3**	**3.7**	**1.8**	**1.8**	**2.0**	**4.6**	**1.2**
Chromium	**20**	**46**	**34**	**18**	**38**	**1.2**	**24**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**5.5**	**14**	**5.0**	**4.9**	**6.2**	**6.4**	**3.8**
Copper	**50**	**150**	**7.9**	**18**	**11**	**23**	**6.0**
Lead	**60**	**120**	**3.2**	**19**	**4.3**	**12**	**3.1**
Lead (Organic)	<0.50	--	<0.50	--	--	--	--
Mercury	< 0.050	**0.50**	**0.073**	**0.23**	< 0.050	**0.10**	< 0.050
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**58**	**220**	**36**	**24**	**34**	**1.3**	**20**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**41**	**26**	**22**	**17**	**35**	**16**	**16**
Zinc	**49**	**57**	**20**	**37**	**25**	**190**	**18**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-12	MFC-12	MFC-13	MFC-13	MFC-14	MFC-14	MFC-14
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/27/02	3/25/02	3/25/02	3/25/02
BEGINNING DEPTH [1]	1.5	4.0	1.5	3.0	1.5	3.0	4.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	**5.0**	< 2.0	**2.9**	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**22**	**36**	**20**	**15**	**2.8**	**25**	**4.7**
Barium	**57**	**27**	**64**	**22**	**84**	**21**	**11**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**2.0**	**1.3**	**2.2**	**0.91**	**0.96**	**0.63**	**0.55**
Chromium	**27**	**30**	**35**	**21**	**9.0**	**16**	**13**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**5.2**	**4.0**	**5.8**	**2.3**	**2.7**	**2.7**	**2.4**
Copper	**68**	**6.1**	**74**	**5.1**	**14**	**3.3**	**2.5**
Lead	**140**	**3.5**	**89**	**6.7**	**9.3**	**1.2**	**1.1**
Lead (Organic)	--	--	--	--	--	--	<0.50
Mercury	**0.081**	< 0.050	**0.090**	< 0.050	**0.18**	< 0.050	< 0.050
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**30**	**26**	**31**	**16**	**10**	**18**	**14**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**24**	**20**	**28**	**14**	**9.1**	**9.6**	**8.1**
Zinc	**71**	**18**	**66**	**18**	**21**	**11**	**10**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
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Oakland, California

LOCATION	MFC-15	MFC-15	MFC-15	MFC-15-DUP	MFC-16	MFC-16	MFC-17
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02	3/26/02
BEGINNING DEPTH [1]	1.5	3.0	4.5	4.5	1.5	4.0	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**2.1**
Arsenic	**2.7**	**8.3**	**6.7**	**8.0**	**5.3**	**6.8**	**17**
Barium	**110**	**19**	**14**	**9.6**	**92**	**72**	**92**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**1.3**	**0.74**	**0.61**	**0.65**	**1.2**	**2.0**	**3.5**
Chromium	**7.9**	**15**	**15**	**17**	**10**	**37**	**22**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**4.1**	**3.0**	**2.9**	**2.3**	**4.0**	**7.0**	**5.6**
Copper	**13**	**4.8**	**2.9**	**2.8**	**17**	**22**	**39**
Lead	**6.8**	**3.9**	**1.7**	**1.6**	**36**	**16**	**66**
Lead (Organic)	--	--	<0.50	--	--	<0.50	--
Mercury	**0.20**	< 0.050	< 0.050	< 0.050	**0.19**	**0.053**	**0.11**
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**12**	**20**	**14**	**16**	**14**	**40**	**22**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**15**	**10**	**8.7**	**9.9**	**11**	**18**	**22**
Zinc	**25**	**14**	**10**	**10**	**33**	**120**	**46**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-17	MFC-18	MFC-18	MFC-18	MFC-19	MFC-19	MFC-19
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02	3/25/02
BEGINNING DEPTH [1]	4.5	1.5	3.0	4.5	1.0	2.0	4.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	**9.7**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**510**	**3.8**	**9.2**	**7.1**	**6.4**	**15**	**1.0**
Barium	**67**	**36**	**48**	**30**	**52**	**23**	**27**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**7.2**	**2.0**	**1.4**	**0.72**	**4.0**	**0.61**	**0.73**
Chromium	**37**	**9.8**	**15**	**17**	**8.3**	**14**	**16**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**5.8**	**6.7**	**4.2**	**2.9**	**9.6**	**2.7**	**2.5**
Copper	**180**	**23**	**41**	**3.8**	**42**	**4.3**	**5.3**
Lead	**50**	**4.7**	**150**	**1.6**	**3.3**	**3.2**	**1.2**
Lead (Organic)	--	--	--	<0.50	--	--	<0.50
Mercury	< 0.050	**0.13**	**0.23**	< 0.050	**0.22**	< 0.050	< 0.050
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**40**	**9.5**	**26**	**14**	**8.8**	**16**	**11**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**19**	**31**	**17**	**9.9**	**63**	**9.5**	**12**
Zinc	**390**	**23**	**60**	**10**	**44**	**12**	**11**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-20	MFC-20	MFC-21	MFC-21-DUP	MFC-21	MFC-21	MFC-22
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/28/02	3/28/02	3/28/02	3/28/02	3/28/02
BEGINNING DEPTH [1]	4.0	7.0	1.5	1.5	4.5	8.0	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	**8.2**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**2.6**	**880**	**7.3**	**3.4**	**9.0**	**2.8**	**3.0**
Barium	**37**	**110**	**38**	**42**	**53**	**64**	**2.0**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**1.2**	**14**	**1.4**	**1.6**	**1.6**	**1.8**	**1.1**
Chromium	**24**	**25**	**23**	**26**	**32**	**32**	**7.6**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**4.6**	**9.2**	**4.3**	**5.1**	**5.3**	**6.7**	**9.3**
Copper	**13**	**220**	**15**	**9.7**	**6.5**	**8.0**	**46**
Lead	**11**	**150**	**19**	**14**	**2.8**	**3.0**	**1.4**
Lead (Organic)	--	--	--	--	--	--	--
Mercury	< 0.050	**0.15**	**0.089**	< 0.050	< 0.050	< 0.050	< 0.050
Molybdenum	< 1.0	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**23**	**37**	**24**	**27**	**34**	**35**	**10**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**15**	**15**	**17**	**19**	**21**	**22**	**20**
Zinc	**28**	**600**	**33**	**33**	**20**	**23**	**7.8**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-22	MFC-22	MFC-23	MFC-23	MFC-23	MFC-24	MFC-24
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/28/02	3/28/02	3/28/02	3/28/02	3/27/02	3/27/02
BEGINNING DEPTH [1]	4.5	7.5	1.5	5.5	8.0	1.5	4.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**25**	**2.8**	**5.0**	**3.4**	**3.0**	**7.0**	**18**
Barium	**100**	**57**	**23**	**52**	**56**	**32**	**74**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**2.3**	**1.6**	**2.0**	**1.5**	**1.2**	**1.9**	**2.6**
Chromium	**37**	**36**	**23**	**29**	**24**	**32**	**31**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**8.8**	**6.9**	**8.0**	**6.1**	**4.3**	**7.7**	**7.3**
Copper	**16**	**9.2**	**32**	**9.2**	**7.5**	**39**	**45**
Lead	**6.6**	**3.7**	**14**	**2.3**	**3.0**	**36**	**73**
Lead (Organic)	--	--	--	--	--	--	--
Mercury	< 0.050	< 0.050	**0.071**	< 0.050	< 0.050	**0.081**	**0.077**
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**53**	**46**	**20**	**43**	**29**	**33**	**44**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**21**	**21**	**19**	**21**	**18**	**22**	**30**
Zinc	**39**	**21**	**46**	**19**	**15**	**35**	**67**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-25-DUP	MFC-25	MFC-26	MFC-26	MFC-26	MFC-27	MFC-27
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/28/02	3/27/02	3/27/02	3/27/02	3/27/02	3/27/02
BEGINNING DEPTH [1]	1.0	4.5	1.5	5.0	7.5	1.5	4.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**22**	< 2.0
Arsenic	**5.7**	**4.2**	**2.7**	**4.9**	**3.2**	**24**	**6.1**
Barium	**45**	**100**	**56**	**73**	**63**	**87**	**130**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**1.6**	**2.3**	**1.8**	**2.8**	**1.7**	**9.7**	**2.4**
Chromium	**28**	**50**	**35**	**4.2**	**33**	**20**	**34**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**5.4**	**11**	**6.5**	**7.1**	**4.9**	**9.2**	**10**
Copper	**20**	**19**	**9.6**	**32**	**8.7**	**280**	**16**
Lead	**30**	**8.2**	**3.4**	**1.2**	**2.3**	**350**	**6.0**
Lead (Organic)	--	--	--	--	--	--	--
Mercury	**0.056**	< 0.050	< 0.050	**0.30**	< 0.050	**0.27**	< 0.050
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.5**	< 1.0
Nickel	**26**	**74**	**50**	**3.2**	**34**	**42**	**50**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**18**	**26**	**20**	**60**	**20**	**26**	**45**
Zinc	**38**	**29**	**23**	**25**	**18**	**61**	**25**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-28	MFC-28	MFC-29	MFC-29	MFC-29-DUP	MFC-30	MFC-31
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/27/02	3/27/02	3/26/02	3/26/02	3/26/02	3/27/02	3/25/02
BEGINNING DEPTH [1]	1.0	5.0	1.0	4.5	4.5	1.5	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**9.3**	**3.9**	**5.9**	**1.8**	**1.2**	**9.7**	**2.1**
Barium	**67**	**86**	**50**	**44**	**38**	**34**	**29**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**4.6**	**1.9**	**3.4**	**1.2**	**1.3**	**1.6**	**0.68**
Chromium	**11**	**36**	**7.7**	**35**	**39**	**27**	**19**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**11**	**6.1**	**9.9**	**5.0**	**5.6**	**5.2**	**3.3**
Copper	**38**	**10**	**32**	**6.7**	**5.6**	**15**	**3.7**
Lead	**3.9**	**4.7**	**4.0**	**3.1**	**3.0**	**38**	**1.8**
Lead (Organic)	--	--	--	--	--	--	--
Mercury	**0.25**	< 0.050	**0.48**	< 0.050	< 0.050	**0.070**	**0.097**
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**10**	**42**	**8.5**	**32**	**32**	**25**	**13**
Selenium	< 2.0	< 2.0	**2.5**	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**66**	**23**	**66**	**22**	**22**	**19**	**9.5**
Zinc	**41**	**24**	**45**	**21**	**22**	**38**	**9.9**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-31	MFC-31	MFC-32	MFC-33	MFC-33	MFC-33	MFC-34
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/25/02	3/25/02	3/26/02	3/25/02	3/25/02	3/25/02	3/26/02
BEGINNING DEPTH [1]	3.0	4.5	1.5	1.5	3.0	5.0	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**4.7**	**3.1**	**2.0**	**7.2**	**2.5**	**1.3**	**5.8**
Barium	**43**	**20**	**18**	**110**	**41**	**66**	**61**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**1.2**	**1.2**	**1.4**	**4.1**	**1.3**	**0.57**	**3.3**
Chromium	**19**	**20**	**24**	**11**	**19**	**16**	**8.9**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**4.5**	**8.6**	**9.6**	**11**	**4.9**	**2.5**	**9.7**
Copper	**21**	**30**	**35**	**42**	**11**	**2.8**	**41**
Lead	**43**	**7.0**	**4.3**	**4.2**	**13**	**1.3**	**4.3**
Lead (Organic)	--	<0.50	--	--	--	--	--
Mercury	**0.053**	< 0.050	**0.053**	**0.38**	**0.062**	< 0.050	**0.30**
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**23**	**19**	**20**	**12**	**21**	**12**	**8.4**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	**2.0**
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**15**	**16**	**17**	**70**	**17**	**8.6**	**80**
Zinc	**44**	**16**	**14**	**45**	**31**	**8.2**	**42**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-34	MFC-34	MFC-35	MFC-35	MFC-35	MFC-36	MFC-36- DUP
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/25/02	3/25/02	3/25/02	3/28/02	3/28/02
BEGINNING DEPTH [1]	3.0	5.5	1.0	2.0	5.0	1.5	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	**2.4**	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**19**	**1.5**	**7.3**	**3.2**	**10**	**9.6**	**6.5**
Barium	**65**	**34**	**73**	**74**	**25**	**51**	**61**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**1.6**	**0.70**	**3.8**	**2.1**	**0.64**	**3.3**	**2.0**
Chromium	**22**	**22**	**9.0**	**5.2**	**18**	**10**	**35**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**4.6**	**2.6**	**10**	**5.1**	**2.3**	**4.6**	**6.5**
Copper	**170**	**3.6**	**40**	**26**	**3.5**	**18**	**11**
Lead	**480**	**1.8**	**4.2**	**40**	**1.6**	**28**	**7.4**
Lead (Organic)	--	--	--	--	<0.50	--	--
Mercury	**0.20**	< 0.050	**0.38**	**0.19**	< 0.050	< 0.050	**0.092**
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**38**	**14**	**10**	**7.1**	**12**	**11**	**32**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**84**	**13**	**65**	**19**	**10**	**25**	**25**
Zinc	**79**	**11**	**42**	**55**	**8.6**	**62**	**28**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-36	MFC-37	MFC-37	MFC-38	MFC-38	MFC-38	MFC-39
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/25/02	3/25/02	3/26/02	3/26/02	3/26/02	3/26/02
BEGINNING DEPTH [1]	4.5	1.5	4.5	1.0	2.5	5.0	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**22**	**8.3**	**2.5**	**5.0**	**2.0**	**5.0**	< 1.0
Barium	**79**	**69**	**32**	**49**	**22**	**30**	**3.3**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**2.4**	**4.2**	**1.2**	**3.2**	**1.0**	**1.6**	**0.79**
Chromium	**24**	**9.3**	**21**	**9.1**	**22**	**28**	**18**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**6.5**	**11**	**4.6**	**8.8**	**3.2**	**5.7**	**8.5**
Copper	**37**	**46**	**7.6**	**30**	**6.5**	**10**	**37**
Lead	**37**	**3.5**	**5.3**	**4.6**	**12**	**3.7**	**1.8**
Lead (Organic)	--	--	<0.50	--	--	--	--
Mercury	**0.076**	**0.42**	**0.055**	**0.58**	< 0.050	< 0.050	**0.10**
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**35**	**9.8**	**22**	**10**	**17**	**28**	**14**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	**1.2**
Vanadium	**22**	**72**	**15**	**52**	**14**	**20**	**11**
Zinc	**36**	**45**	**320**	**36**	**25**	**21**	**7.1**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-40	MFC-40	MFC-40	MFC-41	MFC-41	MFC-41	MFC-43
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/26/02	3/28/02
BEGINNING DEPTH [1]	1.5	3.0	4.5	1.5	2.5	4.0	1.5
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**6.1**	**4.1**	**1.3**	**4.7**	**4.7**	**4.0**	**6.0**
Barium	**40**	**26**	**39**	**52**	**25**	**27**	**37**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**1.5**	**1.8**	**0.65**	**2.8**	**2.2**	**1.1**	**2.0**
Chromium	**26**	**33**	**21**	**6.5**	**2.2**	**23**	**25**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**5.3**	**5.8**	**2.3**	**8.7**	**5.2**	**4.5**	**6.7**
Copper	**32**	**12**	**3.8**	**36**	**8.5**	**11**	**34**
Lead	**51**	**11**	**2.0**	**3.5**	**17**	**6.8**	**36**
Lead (Organic)	--	--	--	--	--	--	--
Mercury	**0.055**	**0.088**	< 0.050	**0.34**	**0.075**	**0.080**	**0.052**
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**27**	**31**	**14**	**6.4**	**1.9**	**20**	**23**
Selenium	< 2.0	< 2.0	< 2.0	**2.4**	**2.2**	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**20**	**23**	**14**	**68**	**25**	**17**	**20**
Zinc	**37**	**31**	**13**	**36**	**54**	**73**	**85**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 10: SOIL CHEMICAL TEST RESULTS - Metals
Phase II Environmental Site Assessment
Future Port Field Support Service Complex
Port of Oakland
Oakland, California

LOCATION	MFC-43	MFC-44	MFC-44	MFC-45	MFC-45	MFC-46	MFC-46
MATRIX	Soil	Soil	Soil	Soil	Soil	Soil	Soil
COLLECTION DATE	3/28/02	3/26/02	3/26/02	3/28/02	3/28/02	3/27/02	3/27/02
BEGINNING DEPTH [1]	4.5	1.5	4.5	1.5	4.5	4.0	7.0
UNITS	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Antimony	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	**1.8**	< 1.0	**5.9**	**2.4**	**5.7**	**3.2**	**2.6**
Barium	**26**	**4.4**	**27**	**37**	**2.4**	**46**	**38**
Beryllium	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Cadmium	**0.84**	**1.0**	**3.0**	**1.4**	**1.9**	**2.0**	**1.5**
Chromium	**22**	**32**	**2.6**	**18**	**25**	**17**	**25**
Chromium (Hexavalent)	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Cobalt	**2.4**	**10**	**6.6**	**3.1**	**13**	**4.3**	**4.7**
Copper	**3.7**	**38**	**20**	**9.4**	**79**	**6.9**	**10**
Lead	**1.6**	**1.7**	**37**	**8.5**	**2.5**	**7.0**	**19**
Lead (Organic)	--	--	--	--	--	--	--
Mercury	< 0.050	**0.068**	**0.090**	< 0.050	**0.075**	**0.17**	**0.052**
Molybdenum	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Nickel	**13**	**20**	**3.0**	**13**	**21**	**19**	**24**
Selenium	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Silver	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thallium	< 1.0	**1.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium	**13**	**15**	**46**	**20**	**20**	**12**	**17**
Zinc	**9.1**	**9.2**	**110**	**210**	**10**	**40**	**40**

Notes:

(1) Soil samples collected in six-inch tubes beginning with the depth indicated in feet below ground surface (bgs).

mg/kg = milligrams per kilogram
-- = Not Analyzed

Samples were analyzed for Title 26 Metals by EPA Method 6010/6020/7471, Cr VI by EPA Method 7196A, and Organic Lead (OL) by CA LUFT Method.

TABLE 11: GROUNDWATER CHEMICAL TEST RESULTS - Organic Lead
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-06	MFC-08	MFC-09	MFC-12	MFC-14	MFC-14-DUP	MFC-15	MFC-18
MATRIX	GW	GW	GW	GW	GW	GW	GW	GW
COLLECTION DATE	3/27/02	3/27/02	3/27/02	3/27/02	3/25/02	3/25/02	3/26/02	3/25/02
UNITS	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Organic Lead	<0.1	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1

Notes:

GW = Grab Groundwater

mg/L = milligrams per liter

Samples were analyzed for Organic Lead (OL) by CA LUFT Method.

TABLE 11: GROUNDWATER CHEMICAL TEST RESULTS - Organic Lead
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION	MFC-19	MFC-31	MFC-31	MFC-35	MFC-37
MATRIX	GW	GW	GW	GW	GW
COLLECTION DATE	3/25/02	3/25/02	3/28/02	3/25/02	3/26/02
UNITS	mg/L	mg/L	mg/L	mg/L	mg/L
Organic Lead	<0.1	<0.1	<0.05	<0.1	<0.1

Notes:

GW = Grab Groundwater

mg/L = milligrams per liter

Samples were analyzed for Organic Lead (OL) by CA LUFT Method.

TABLE 12: SURVEYED BOREHOLE LOCATIONS
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

Boring Number	Northing	Easting	Elevation
MFC-01	2,120,604	6,037,814	13.63
MFC-02	2,120,624	6,038,062	13.29
MFC-03	2,120,628	6,038,213	14.70
MFC-04	2,120,584	6,037,918	17.67
MFC-05	2,120,578	6,038,054	17.68
MFC-06	2,120,511	6,038,087	17.67
MFC-07	2,120,519	6,038,133	17.66
MFC-08	2,120,495	6,038,179	14.87
MFC-09	2,120,463	6,038,174	14.58
MFC-10	2,120,517	6,038,286	14.41
MFC-11	2,120,462	6,037,776	14.24
MFC-12	2,120,499	6,037,915	14.60
MFC-13	2,120,443	6,037,951	13.84
MFC-14	2,120,426	6,038,062	13.98
MFC-15	2,120,417	6,038,131	14.12
MFC-16	2,120,415	6,038,254	14.20
MFC-17	2,120,383	6,038,277	14.22
MFC-18	2,120,340	6,038,163	13.99
MFC-19	2,120,348	6,038,237	13.75
MFC-20	2,120,286	6,038,494	19.92
MFC-21	2,120,605	6,038,410	14.84
MFC-22	2,120,569	6,038,499	15.30
MFC-23	2,120,498	6,038,596	15.33
MFC-24	2,120,532	6,038,333	15.32
MFC-25	2,120,453	6,038,495	14.77
MFC-26	2,120,381	6,038,636	15.38
MFC-27	2,120,410	6,038,353	13.84
MFC-28	2,120,397	6,038,402	14.33
MFC-29	2,120,361	6,038,533	15.81
MFC-30	2,120,344	6,038,366	14.17
MFC-31	2,120,302	6,038,396	14.67
MFC-32	2,120,245	6,038,606	14.40
MFC-33	2,120,246	6,038,429	15.35
MFC-34	2,120,198	6,038,532	15.11
MFC-35	2,120,192	6,038,352	14.44
MFC-36	2,120,117	6,038,568	14.31
MFC-37	2,120,114	6,038,307	14.11
MFC-38	2,120,103	6,038,387	15.35
MFC-39	2,120,105	6,038,485	15.58
MFC-40	2,120,080	6,038,350	14.84
MFC-41	2,120,024	6,038,378	15.59
MFC-42	2,120,012	6,038,456	15.75
MFC-43	2,120,006	6,038,535	14.26
MFC-44	2,119,962	6,038,381	15.65
MFC-45	2,119,936	6,038,417	15.68
MFC-46	2,120,130	6,038,456	19.87

Notes:
(1) Coordinates based upon California State Plane System, NAD '83 Zone III.
(2) Vertical Benchmark is point "BART VENT", held with ar of 17.20', Port of Oakland Datum.

TABLE 4: SOIL GAS CHEMICAL TEST RESULTS - Fixed Gases and Total Petroleum Hydrocarbons
Phase II Environmental Site Assessment
Future Port Field Support Services Complex
Port of Oakland
Oakland, California

LOCATION		MFC-33	MFC-35	MFC-36	MFC-37	MFC-38	MFC-41	MFC-45
MATRIX		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
COLLECTION DATE		3/25/02	3/25/02	3/28/02	3/25/02	3/28/02	3/28/02	3/28/02
DEPTH [1]		4.0	4.0	4.0	4.0	4.0	4.0	4.0
	UNITS							
Carbon Dioxide	% v	**1.8**	**3.8**	**8.0**	**7.1**	**0.083**	**2.7**	**0.19**
Oxygen	% v	**18**	**16**	**1.5**	**10**	**22**	**19**	**20**
Nitrogen	% v	**69**	**65**	**91**	**70**	**80**	**81**	**84**
Methane	% v	**17**	**19**	**1.9**	**18**	**0.17**	<0.00042	**0.077**
Carbon Monoxide	% v	<0.0025	<0.0020	<0.0019	<0.0028	<0.0018	<0.0021	<0.0034
Gasoline	ppmv	**140**	**170**	**85**	**140**	<1.8	<2.1	**6.9**

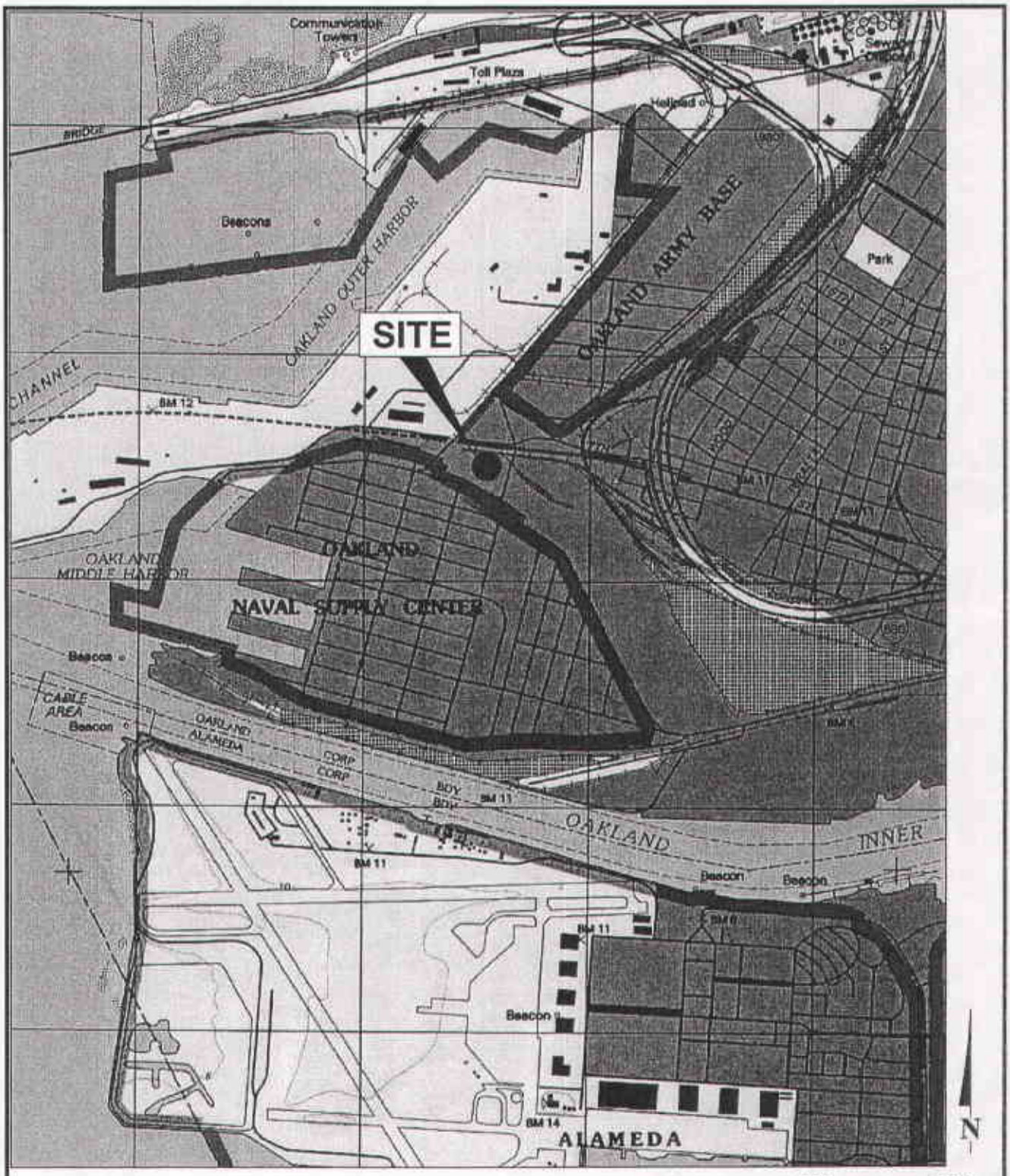
Notes:
(1) Soil Gas samples collected at an average depth of 4.0 feet below ground surface (bgs).

Samples collected in Summa Canisters.

% v = percent by volume (1% = 10,000 ppmv)

ppmv = parts per million by volume

Samples were analyzed for Petroleum Hydrocarbons in the gasoline range by EPA Method 19 TO-3 and for carbon dioxide, oxygen, nitrogen, methane, and carbon monoxide by ASTM D1946.

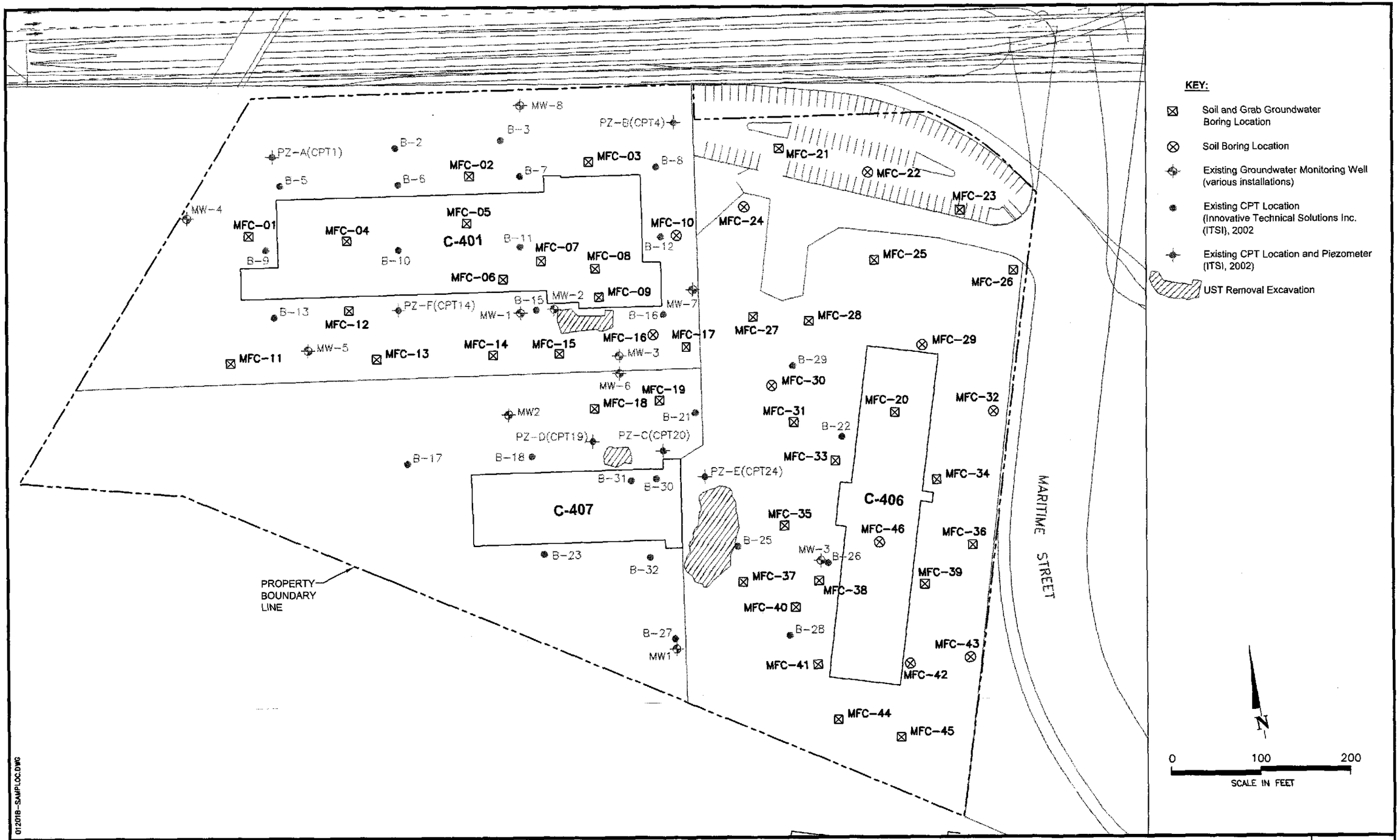


012001A-VICMAP.DWG

SOURCE MAP: USGS 7.5 Minute OAKLAND Quad, California.

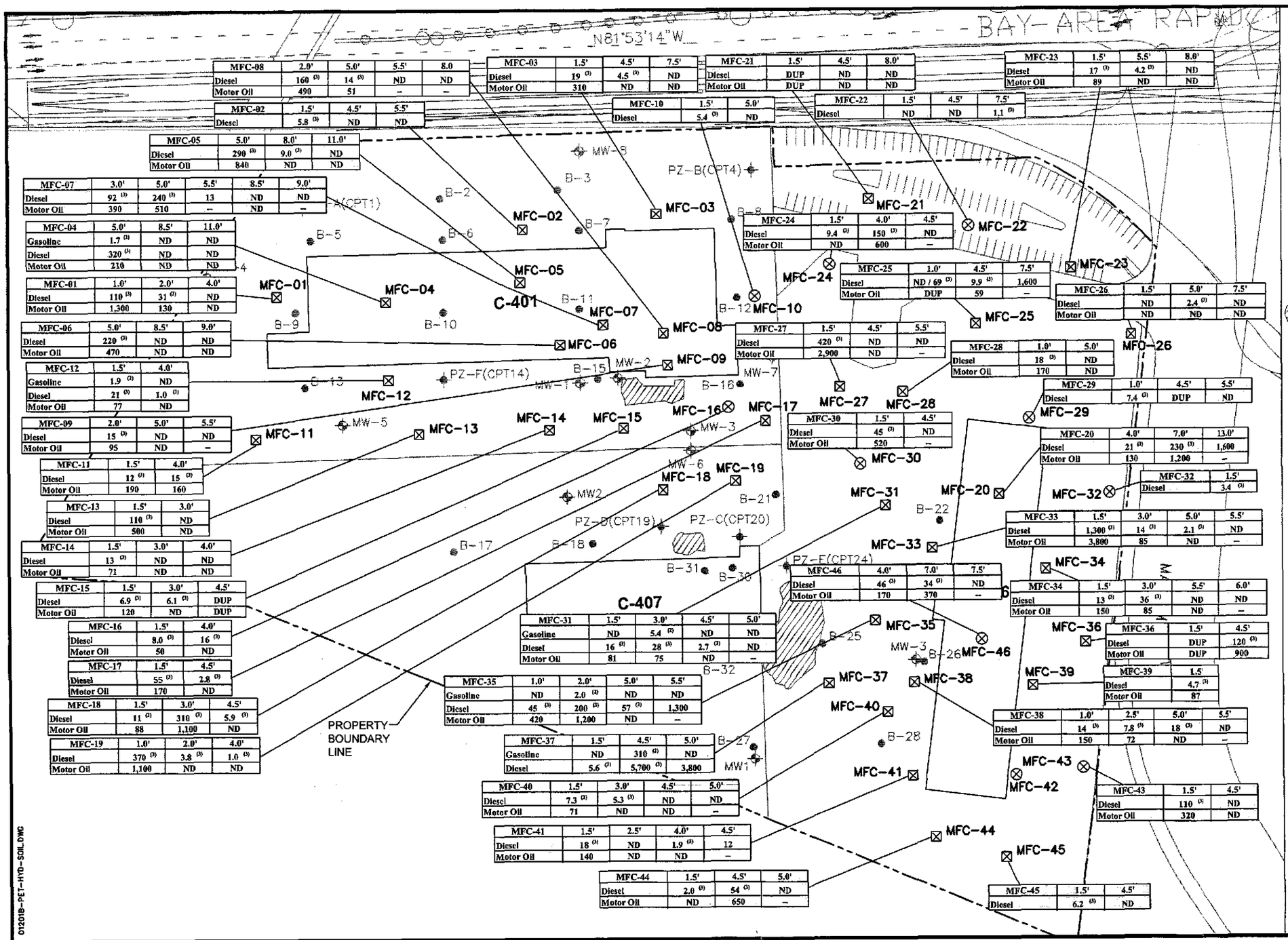
IRIS ENVIRONMENTAL 1615 Broadway, Suite 1003, Oakland, California 94612	**Site Location Map** Future Port Field Support Services Complex Oakland, California	Figure **1**

Drafter: MS	Date: 1/13/02	Contract Number: 01-201A	Approved:	Revised:



IRIS ENVIRONMENTAL 1615 Broadway, Suite 1003, Oakland, California 94612	**Sampling Locations and Site Layout** Port of Oakland Future Port Field Support Services Complex 2225 and 2277 7th Street Oakland, California	Figure **2**

Drafter: MAS	Date: 4/3/02	Contract Number: 01-20JB	Approved:	Revised:



MFC-08	2.0'	5.0'	5.5'	8.0
Diesel	160 (3)	14 (3)	ND	ND
Motor Oil	490	51	--	--

MFC-02	1.5'	4.5'	5.5'
Diesel	5.8 (3)	ND	ND

MFC-05	5.0'	8.0'	11.0'
Diesel	290 (3)	9.0 (3)	ND
Motor Oil	840	ND	ND

MFC-07	3.0'	5.0'	5.5'	8.5'	9.0'
Diesel	92 (3)	240 (3)	13	ND	ND
Motor Oil	390	510	--	ND	--

MFC-04	5.0'	8.5'	11.0'
Gasoline	1.7 (3)	ND	ND
Diesel	320 (3)	ND	ND
Motor Oil	230	ND	ND

MFC-01	1.0'	2.0'	4.0'
Diesel	110 (3)	31 (3)	ND
Motor Oil	1,300	130	ND

MFC-06	5.0'	8.5'	9.0'
Diesel	220 (3)	ND	ND
Motor Oil	470	ND	ND

MFC-12	1.5'	4.0'
Gasoline	1.9 (3)	ND
Diesel	21 (3)	1.0 (3)
Motor Oil	77	ND

MFC-09	2.0'	5.0'	5.5'
Diesel	15 (3)	ND	ND
Motor Oil	95	ND	--

MFC-11	1.5'	4.0'
Diesel	12 (3)	15 (3)
Motor Oil	190	160

MFC-13	1.5'	3.0'
Diesel	110 (3)	ND
Motor Oil	500	ND

MFC-14	1.5'	3.0'	4.0'
Diesel	13 (3)	ND	ND
Motor Oil	71	ND	ND

MFC-15	1.5'	3.0'	4.5'
Diesel	6.9 (3)	6.1 (3)	DUP
Motor Oil	120	ND	DUP

MFC-16	1.5'	4.0'
Diesel	8.0 (3)	16 (3)
Motor Oil	50	ND

MFC-17	1.5'	4.5'
Diesel	55 (3)	2.8 (3)
Motor Oil	170	ND

MFC-18	1.5'	3.0'	4.5'
Diesel	11 (3)	310 (3)	5.9 (3)
Motor Oil	88	1,100	ND

MFC-19	1.0'	2.0'	4.0'
Diesel	370 (3)	3.8 (3)	1.0 (3)
Motor Oil	1,100	ND	ND

MFC-03	1.5'	4.5'	7.5'
Diesel	19 (3)	4.5 (3)	ND
Motor Oil	310	ND	ND

MFC-10	1.5'	5.0'
Diesel	5.4 (3)	ND

MFC-21	1.5'	4.5'	8.0'
Diesel	DUP	ND	ND
Motor Oil	DUP	ND	ND

MFC-22	1.5'	4.5'	7.5'
Diesel	ND	ND	1.1 (3)

MFC-24	1.5'	4.0'	4.5'
Diesel	9.4 (3)	150 (3)	ND
Motor Oil	ND	600	--

MFC-25	1.0'	4.5'	7.5'
Diesel	ND / 69 (5)	9.9 (3)	1,600
Motor Oil	DUP	59	--

MFC-27	1.5'	4.5'	5.5'
Diesel	420 (3)	ND	ND
Motor Oil	2,900	ND	--

MFC-30	1.5'	4.5'
Diesel	45 (3)	ND
Motor Oil	520	--

MFC-46	4.0'	7.0'	7.5'
Diesel	46 (3)	34 (3)	ND
Motor Oil	170	370	--

MFC-31	1.5'	3.0'	4.5'	5.0'
Gasoline	ND	5.4 (3)	ND	ND
Diesel	16 (3)	28 (3)	2.7 (3)	ND
Motor Oil	81	75	ND	--

MFC-35	1.0'	2.0'	5.0'	5.5'
Gasoline	ND	2.0 (3)	ND	ND
Diesel	45 (3)	200 (3)	57 (3)	1,300
Motor Oil	420	1,200	ND	--

MFC-37	1.5'	4.5'	5.0'
Gasoline	ND	310 (3)	ND
Diesel	5.6 (3)	5,700 (3)	3,800

MFC-40	1.5'	3.0'	4.5'	5.0'
Diesel	7.3 (3)	5.3 (3)	ND	ND
Motor Oil	71	ND	ND	--

MFC-41	1.5'	2.5'	4.0'	4.5'
Diesel	18 (3)	ND	1.9 (3)	12
Motor Oil	140	ND	ND	--

MFC-44	1.5'	4.5'	5.0'
Diesel	2.0 (3)	54 (3)	ND
Motor Oil	ND	650	--

MFC-23	1.5'	5.5'	8.0'
Diesel	17 (3)	4.2 (3)	ND
Motor Oil	89	ND	ND

MFC-26	1.5'	5.0'	7.5'
Diesel	ND	2.4 (3)	ND
Motor Oil	ND	ND	ND

MFC-28	1.0'	5.0'
Diesel	18 (3)	ND
Motor Oil	170	ND

MFC-29	1.0'	4.5'	5.5'
Diesel	7.4 (3)	DUP	ND

MFC-20	4.0'	7.0'	13.0'
Diesel	21 (3)	230 (3)	1,600
Motor Oil	130	1,200	--

MFC-32	1.5'
Diesel	3.4 (3)

MFC-33	1.5'	3.0'	5.0'	5.5'
Diesel	1,300 (3)	14 (3)	2.1 (3)	ND
Motor Oil	3,800	85	ND	--

MFC-34	1.5'	3.0'	5.5'	6.0'
Diesel	13 (3)	36 (3)	ND	ND
Motor Oil	150	85	ND	--

MFC-36	1.5'	4.5'
Diesel	DUP	120 (3)
Motor Oil	DUP	900

MFC-39	1.5'
Diesel	4.7 (3)
Motor Oil	87

MFC-38	1.0'	2.5'	5.0'	5.5'
Diesel	14 (3)	7.8 (3)	18 (3)	ND
Motor Oil	150	72	ND	--

MFC-43	1.5'	4.5'
Diesel	110 (3)	ND
Motor Oil	320	ND

MFC-45	1.5'	4.5'
Diesel	6.2 (3)	ND

KEY:

- Soil and Grab Groundwater Boring Location
- Soil Boring Location
- Existing Groundwater Monitoring Well (various installations)
- Existing CPT Location (Innovative Technical Solutions Inc. (ITSI), 2002
- Existing CPT Location and Piezometer (ITSI, 2002)
- UST Removal Excavation

Sample Location: MFC-32 | Collection Depth: 1.5' | Hydrocarbon Range: Diesel | Concentration in mg/kg: 3.4 (3)

NOTES:

(1) Soil chemical concentrations in milligrams per kilogram (mg/kg) unless otherwise indicated.
(2) Hydrocarbon does not match the pattern of laboratory gasoline standard
(3) Hydrocarbon does not match the pattern of laboratory diesel standard.
(4) ND = Not Detected; -- = Not Analyzed
(5) Detections in soil samples shown for Total Petroleum Hydrocarbons (TPHs) in the gasoline, diesel, and motor oil ranges by EPA Method 8015M .
(6) Soil Samples collected in six-inch tubes beginning with the depth indicated during the field investigation from 3/25/02 to 3/28/02.

N

0 100 200

SCALE IN FEET

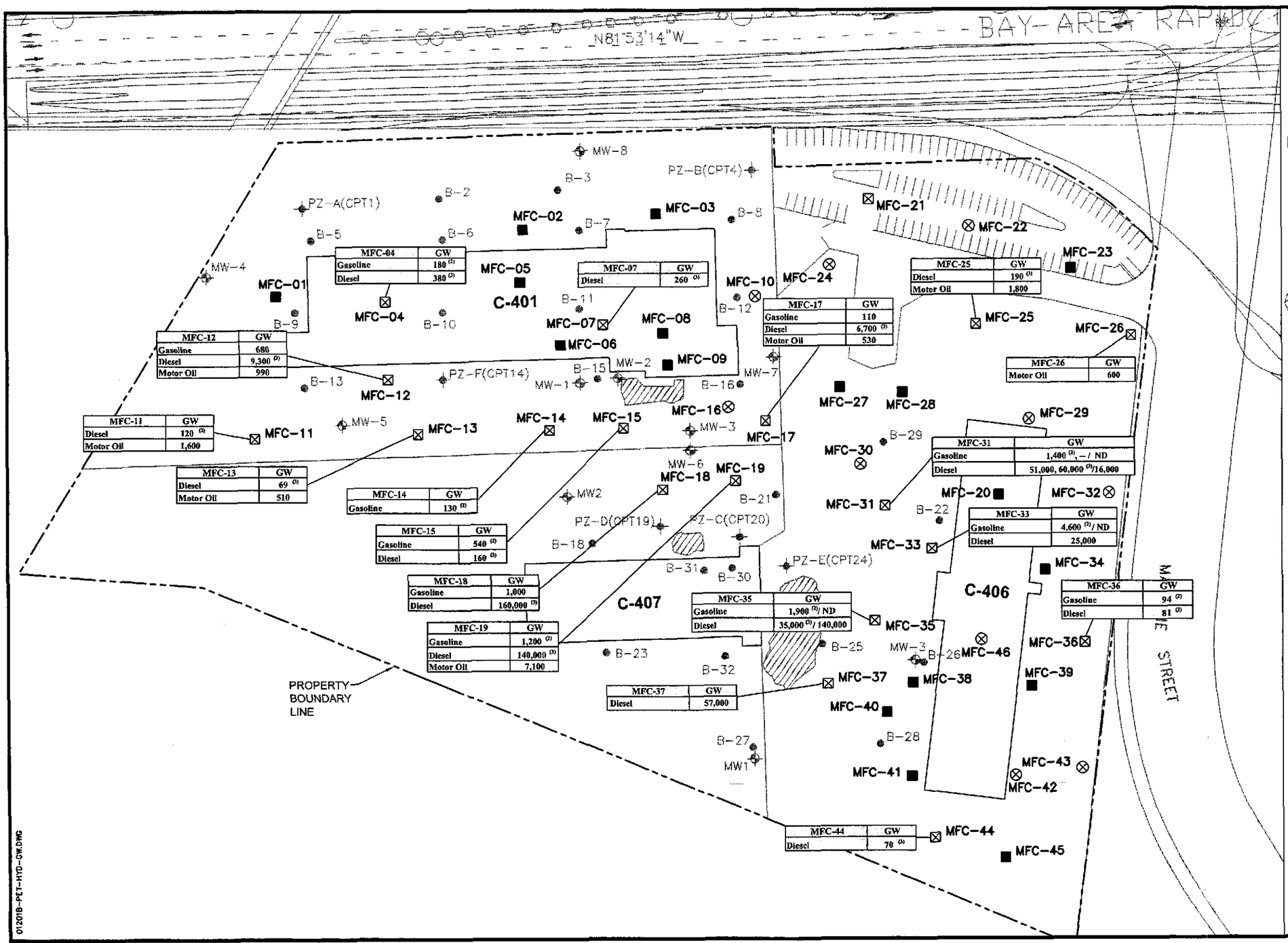
012018-PET-HYD-SOIL.DWG

IRIS ENVIRONMENTAL
1615 Broadway, Suite 1003, Oakland, California 94612

TOTAL PETROLEUM HYDROCARBON (TPH) DETECTIONS IN SOIL
Port of Oakland Future Port Field Support Services Complex
2225 and 2277 7th Street
Oakland, California

Figure 3

Drafter: MAS | Date: 6/2/02 | Contract Number: 01-201B | Approved: | Revised:



KEY:

- Soil and Grab Groundwater Boring
- Soil Boring
- ■ or ● Location Sampled But No Compounds Detected
- Existing Groundwater Monitoring Well (various installations)
- Existing CPT Location (Innovative Technical Solutions Inc. (ITSI), 2002
- Existing CPT Location and Piezometer (ITSI, 2002)
- UST Removal Excavation

Sample Location / Sample Matrix

MFC-33	GW
Gasoline	4,600 (3)

Hydrocarbon Range / Concentration in µg/L

NOTES:

(1) Groundwater chemical concentrations in micrograms per liter (µg/L) unless otherwise indicated.
(2) Hydrocarbon does not match the pattern of laboratory gasoline standard
(3) Hydrocarbon does not match the pattern of laboratory diesel standard.
(4) Detections in grab groundwater samples shown for Total Petroleum Hydrocarbons (TPHs) in the gasoline, diesel and motor oil ranges by EPA Method 8015M .
(5) GW = Grab groundwater sample
(6) Grab groundwater samples collected during field investigation from 3/25/02 to 3/28/02.

MFC-31	GW
Gasoline	1,400 (2), – / ND
Diesel	51,000, 60,000 (3)/16,000

Data from STL San Francisco from samples taken on 3/25/02, 3/28/02

Data from Mobile Chem Lab from samples taken on 3/28/02

N

0 100 200

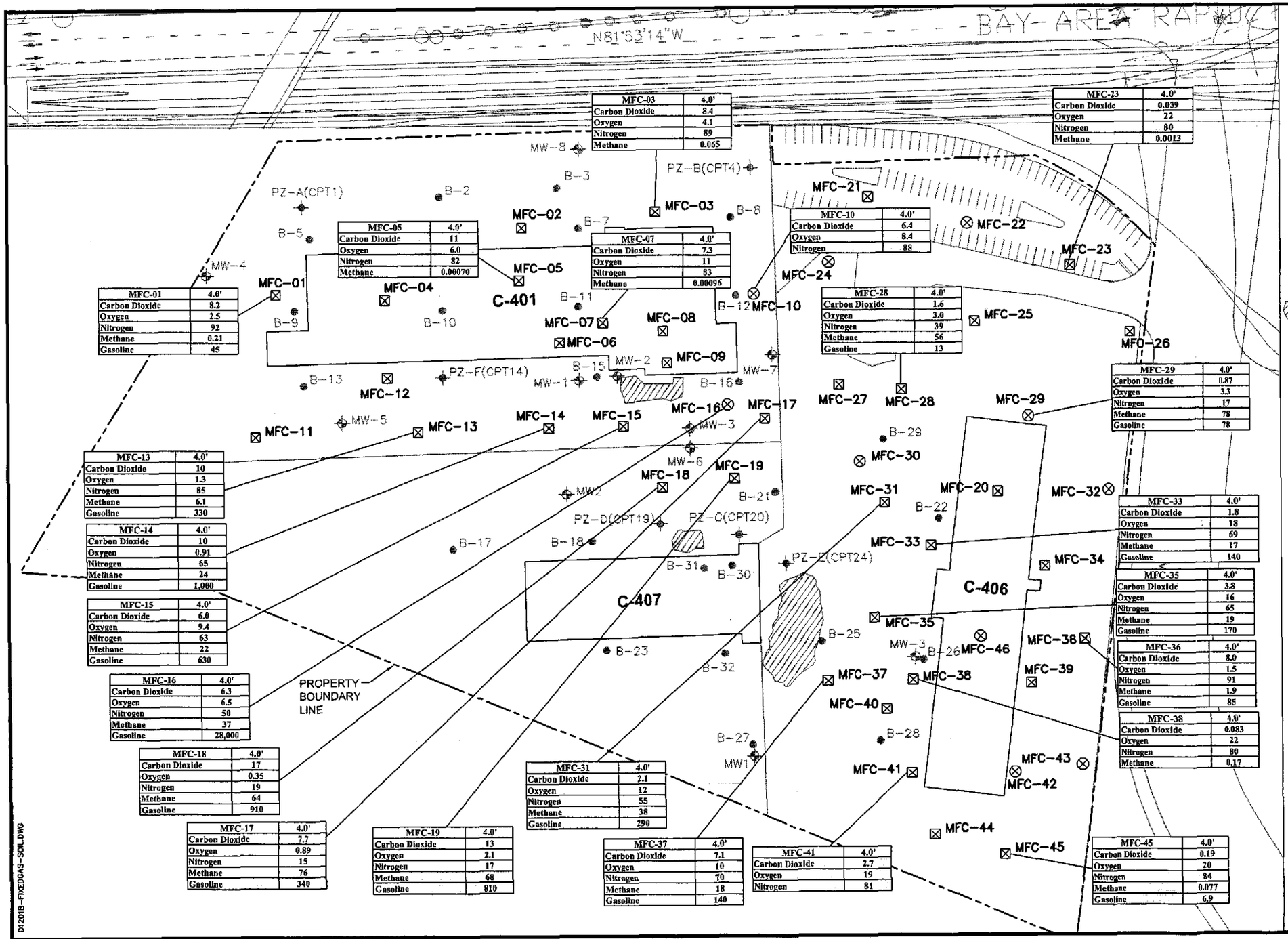
SCALE IN FEET

IRIS ENVIRONMENTAL
1815 Broadway, Suite 1003, Oakland, California 94612

TOTAL PETROLEUM HYDROCARBON (TPH) DETECTIONS IN GROUNDWATER
Port of Oakland Future Port Field Support Services Complex
2225 and 2277 7th Street
Oakland, California

Figure 4

Drafter: MAS | Date: 5/20/02 | Contract Number: 01–201B | Approved: | Revised:

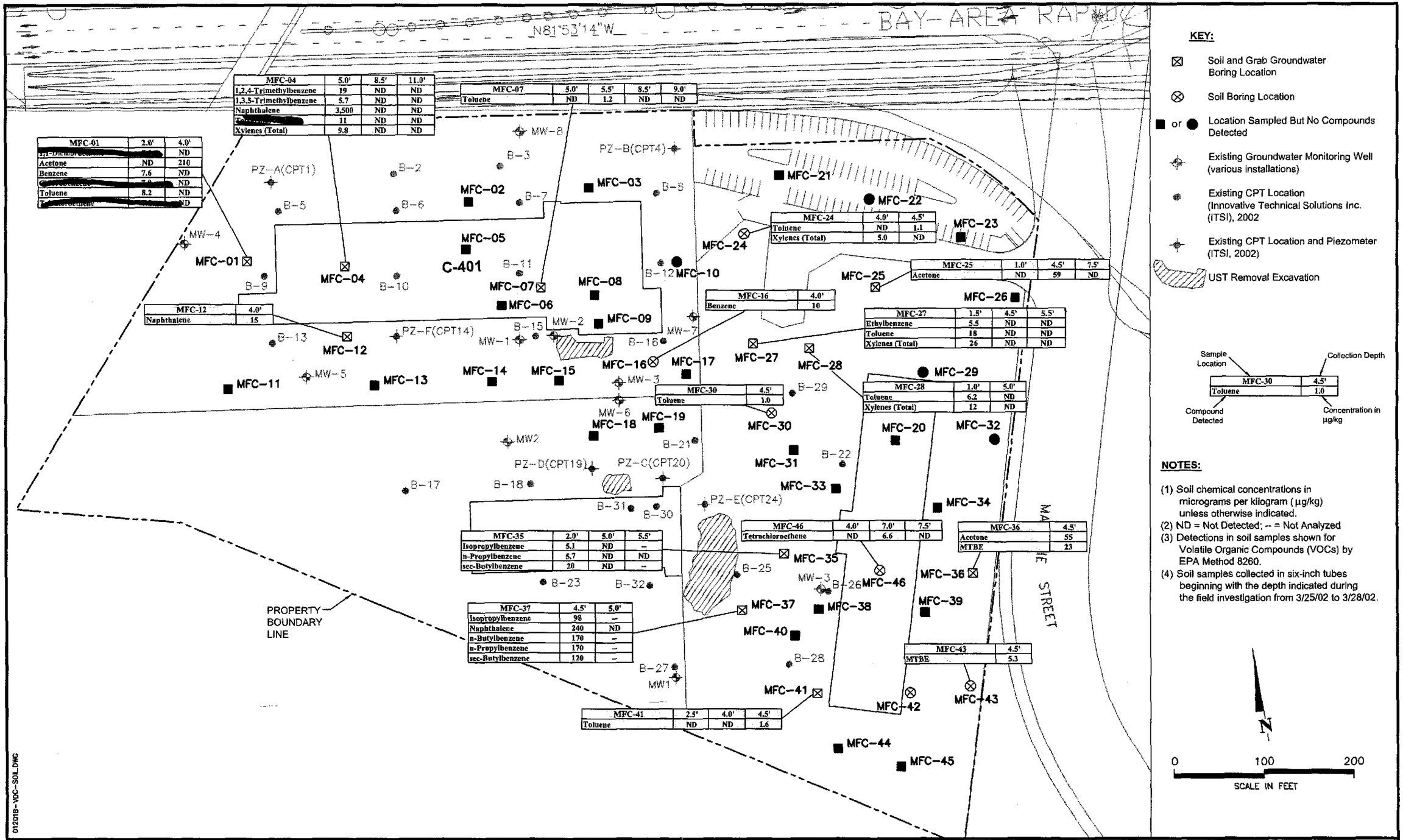


IRIS ENVIRONMENTAL
1515 Broadway, Suite 1003, Oakland, California 94612

TOTAL PETROLEUM HYDROCARBONS (TPHs) IN SOIL GAS
Port of Oakland Future Port Field Support Services Complex
2225 and 2277 7th Street
Oakland, California

Figure 5

Drafter: MAS | Date: 6/3/02 | Contract Number: 01-201B | Approved: | Revised:

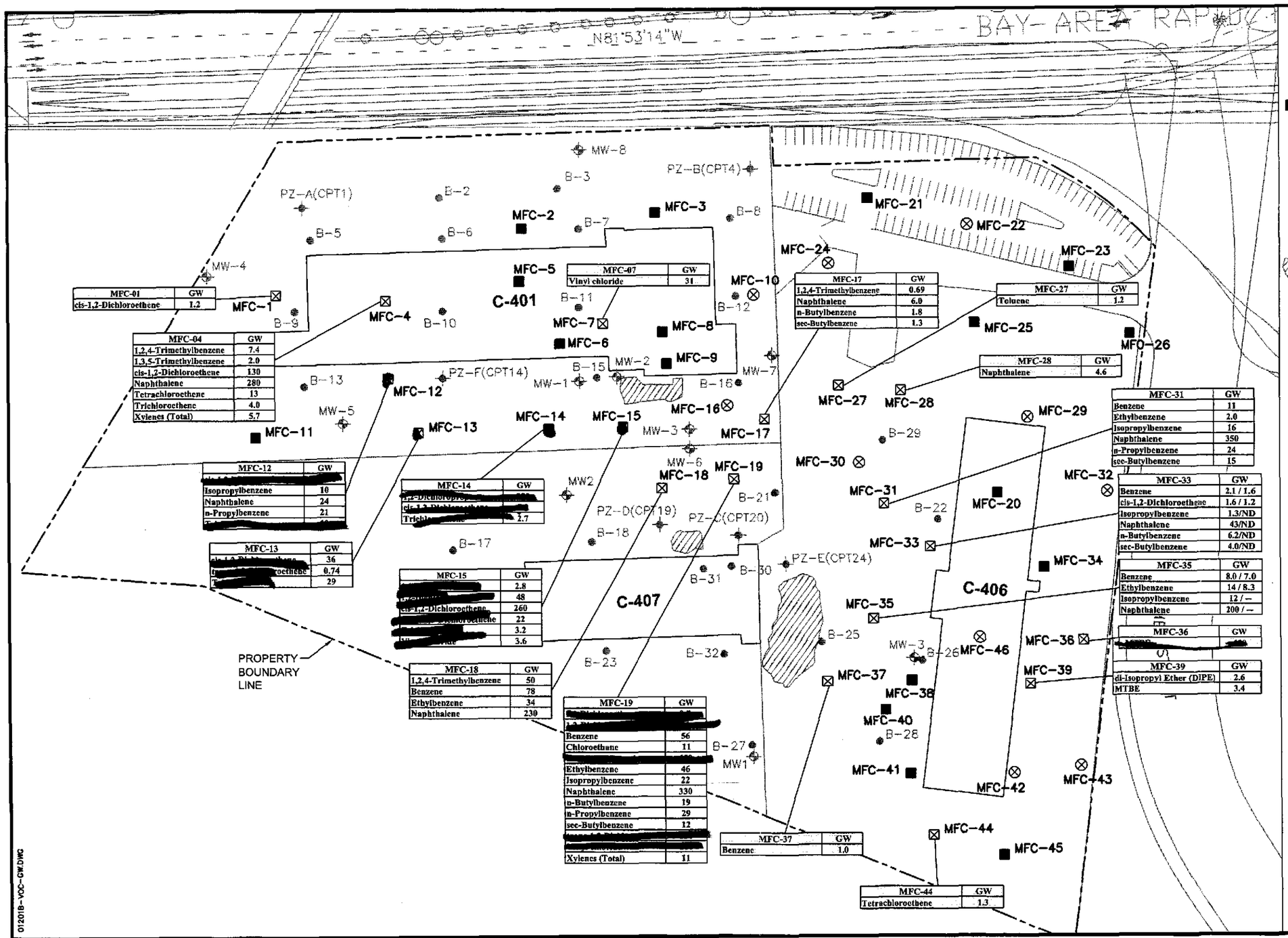


IRIS ENVIRONMENTAL
1615 Broadway, Suite 1003, Oakland, California 94612

VOLATILE ORGANIC COMPOUND (VOC) DETECTIONS IN SOIL
Port of Oakland Future Port Field Support Services Complex
2225 and 2277 7th Street
Oakland, California

Figure 6

Drafter: MAS | Date: 6/3/02 | Contract Number: 01-201B | Approved: | Revised:

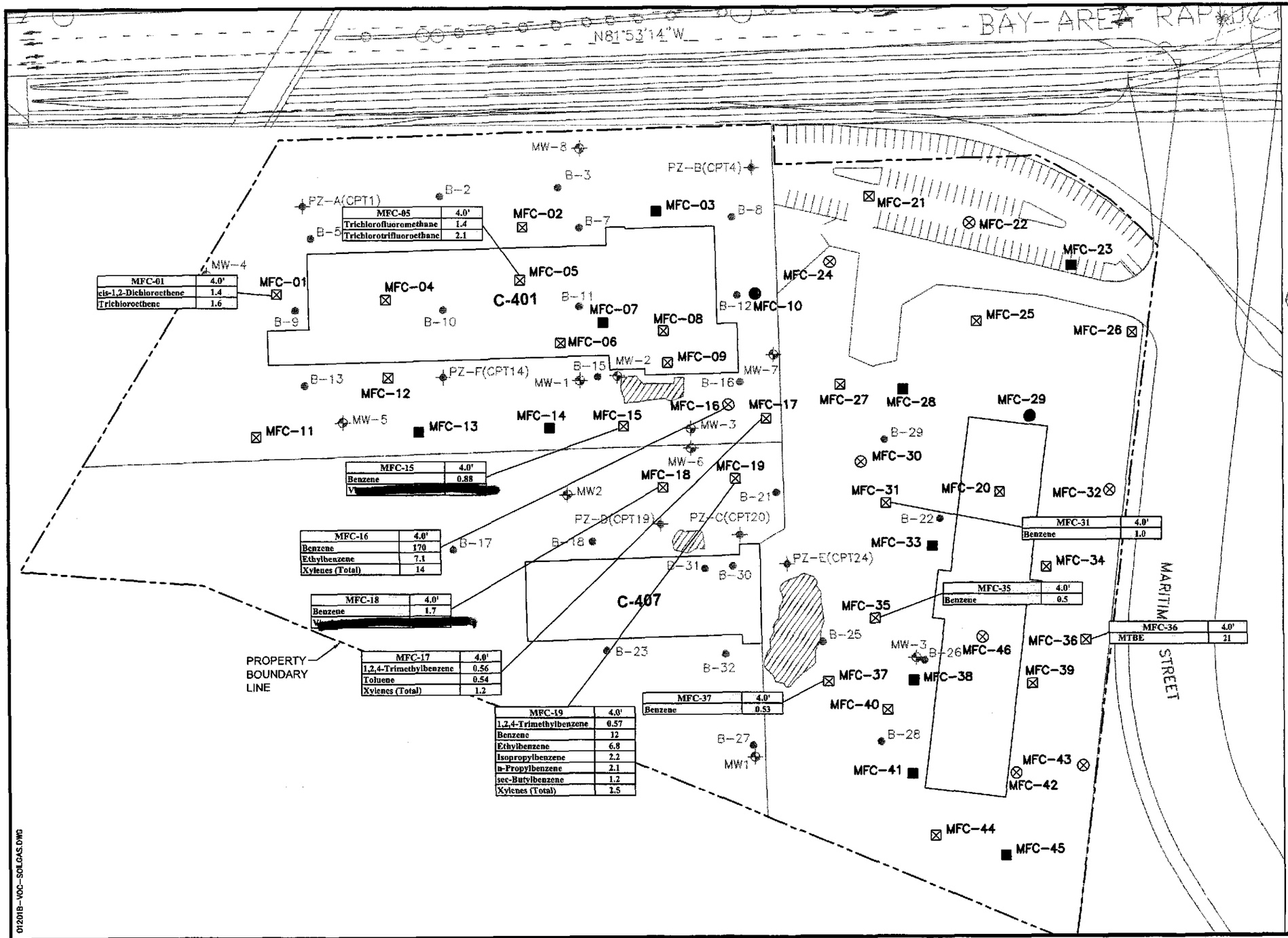


IRIS ENVIRONMENTAL
1515 Broadway, Suite 1003, Oakland, California 94612

VOLATILE ORGANIC COMPOUND (VOC) DETECTIONS IN GROUNDWATER
Port of Oakland Future Port Field Support Services Complex
2225 and 2277 7th Street
Oakland, California

Figure 7

Drafter: MAS | Date: 5/23/02 | Contract Number: 01-201B | Approved: | Revised:



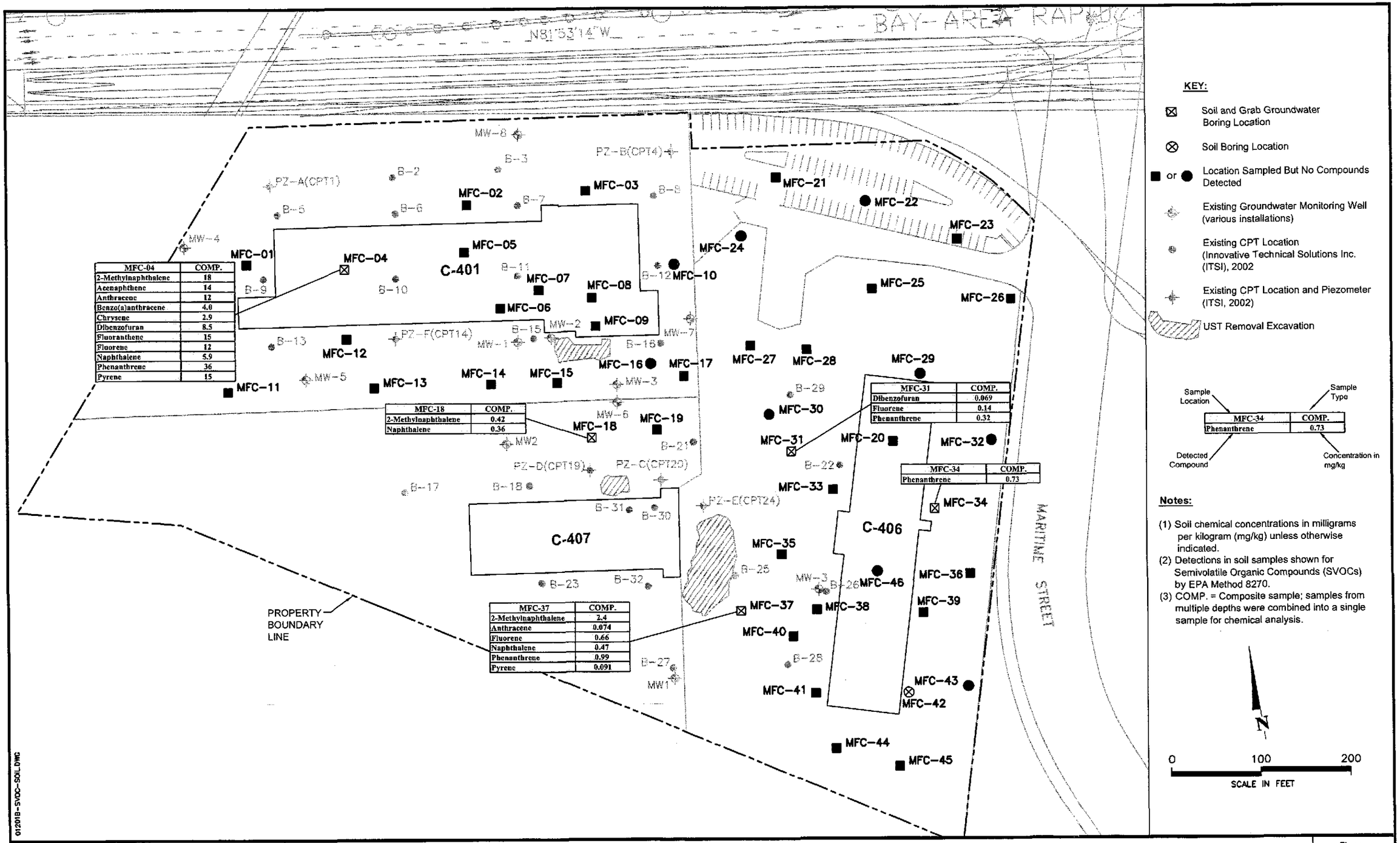
0120IB-VOC-SOILGAS.DWG

IRIS ENVIRONMENTAL
1615 Broadway, Suite 1003, Oakland, California 94612

VOLATILE ORGANIC COMPOUND (VOC) DETECTIONS IN SOIL GAS
Port of Oakland Future Port Field Support Services Complex
2225 and 2277 7th Street
Oakland, California

Figure **8**

Drafter: MAS | Date: 5/23/02 | Contract Number: 01-201B | Approved: | Revised:



MFC-04	COMP.
2-Methylnaphthalene	18
Acenaphthene	14
Anthracene	12
Benzo(a)anthracene	4.0
Chrysene	2.9
Dibenzofuran	8.5
Fluoranthene	15
Fluorene	12
Naphthalene	5.9
Phenanthrene	36
Pyrene	15

MFC-18	COMP.
2-Methylnaphthalene	0.42
Naphthalene	0.36

MFC-31	COMP.
Dibenzofuran	0.069
Fluorene	0.14
Phenanthrene	0.32

MFC-34	COMP.
Phenanthrene	0.73

MFC-37	COMP.
2-Methylnaphthalene	2.4
Anthracene	0.074
Fluorene	0.66
Naphthalene	0.47
Phenanthrene	0.99
Pyrene	0.091

KEY:

- Soil and Grab Groundwater Boring Location
- Soil Boring Location
- ■ or ● Location Sampled But No Compounds Detected
- Existing Groundwater Monitoring Well (various installations)
- Existing CPT Location (Innovative Technical Solutions Inc. (ITSI), 2002
- Existing CPT Location and Piezometer (ITSI, 2002)
- UST Removal Excavation

Sample Location / Sample Type

MFC-34	COMP.
Phenanthrene	0.73

Detected Compound / Concentration in mg/kg

Notes:

(1) Soil chemical concentrations in milligrams per kilogram (mg/kg) unless otherwise indicated.
(2) Detections in soil samples shown for Semivolatile Organic Compounds (SVOCs) by EPA Method 8270.
(3) COMP. = Composite sample; samples from multiple depths were combined into a single sample for chemical analysis.

N

0 100 200

SCALE IN FEET

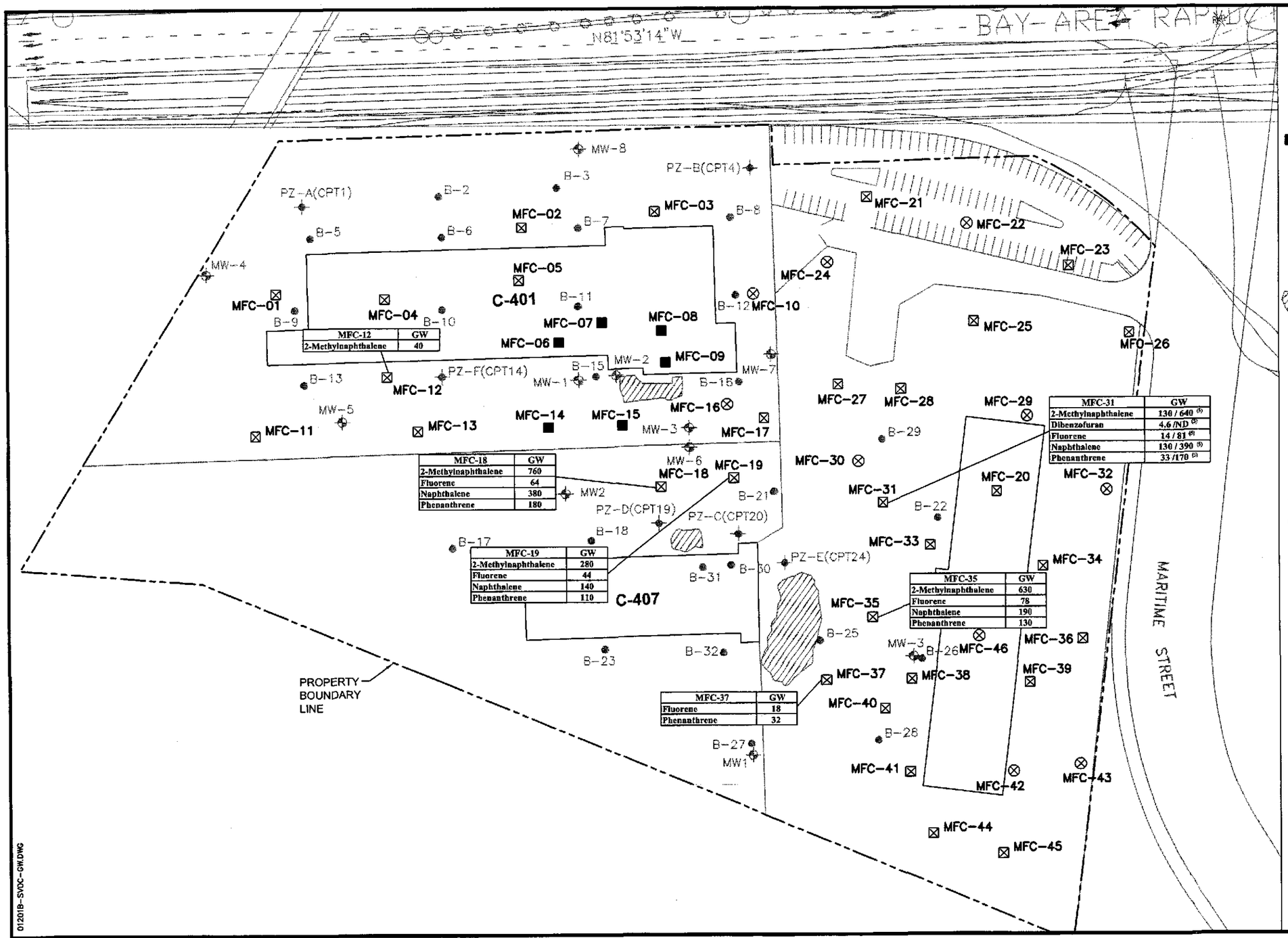
01201B-SVOC-SOIL.DWG

IRIS ENVIRONMENTAL
1615 Broadway, Suite 1003, Oakland, California 94612

SEMIVOLATILE ORGANIC COMPOUND (SVOC) DETECTIONS IN SOIL
Port of Oakland Future Port Field Support Services Complex
2225 and 2277 7th Street
Oakland, California

Figure 9

Drafter: MAS | Date: 6/3/02 | Contract Number: 01-201B | Approved: | Revised:

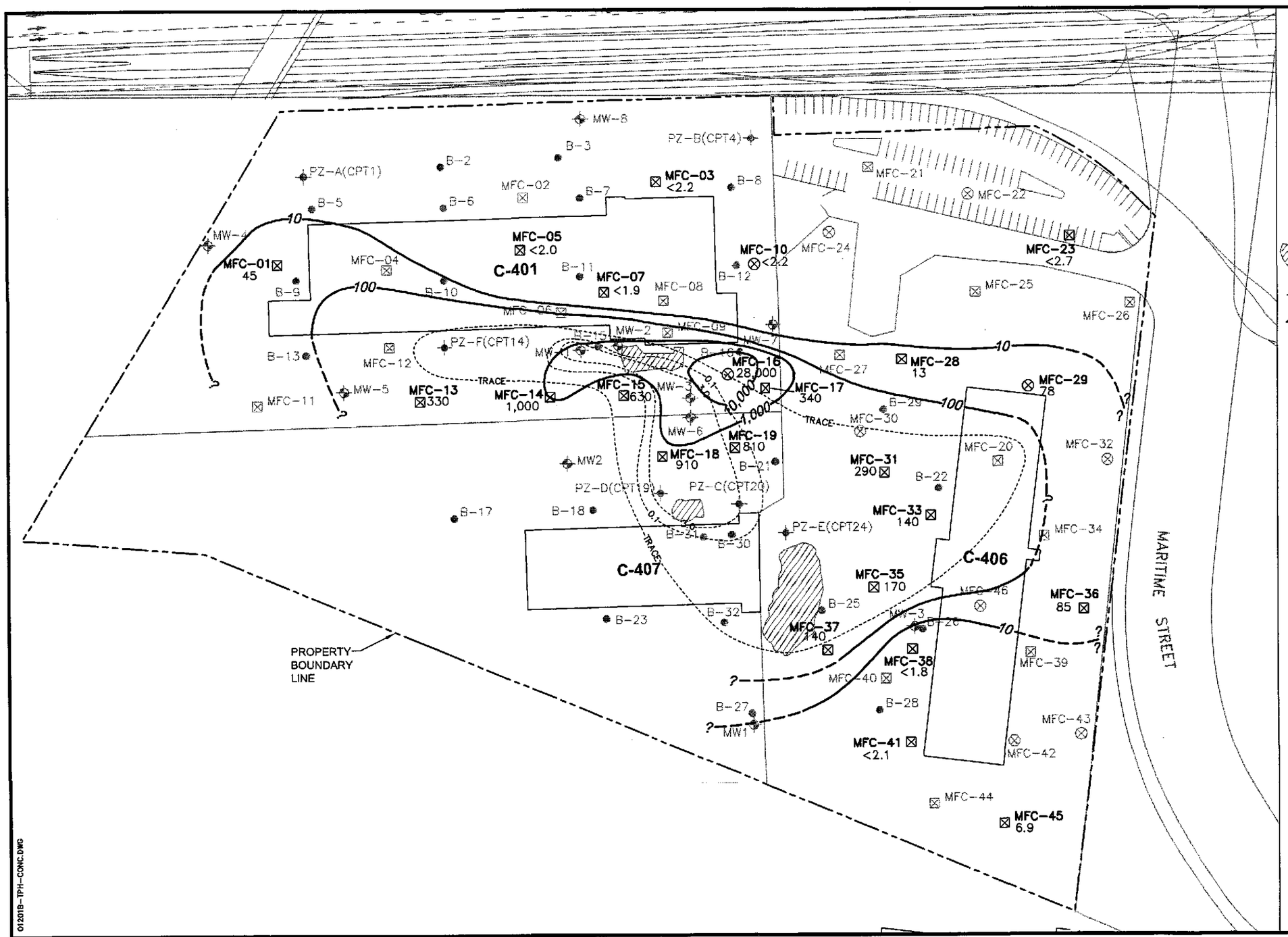


IRIS ENVIRONMENTAL
1615 Broadway, Suite 1003, Oakland, California 94612

SEMIVOLATILE ORGANIC COMPOUND (SVOC) DETECTIONS IN GROUNDWATER
Port of Oakland Future Port Field Support Services Complex
2225 and 2277 7th Street
Oakland, California

Figure **10**

Drafter: MAS | Date: 5/23/02 | Contract Number: 01-201B | Approved: | Revised:

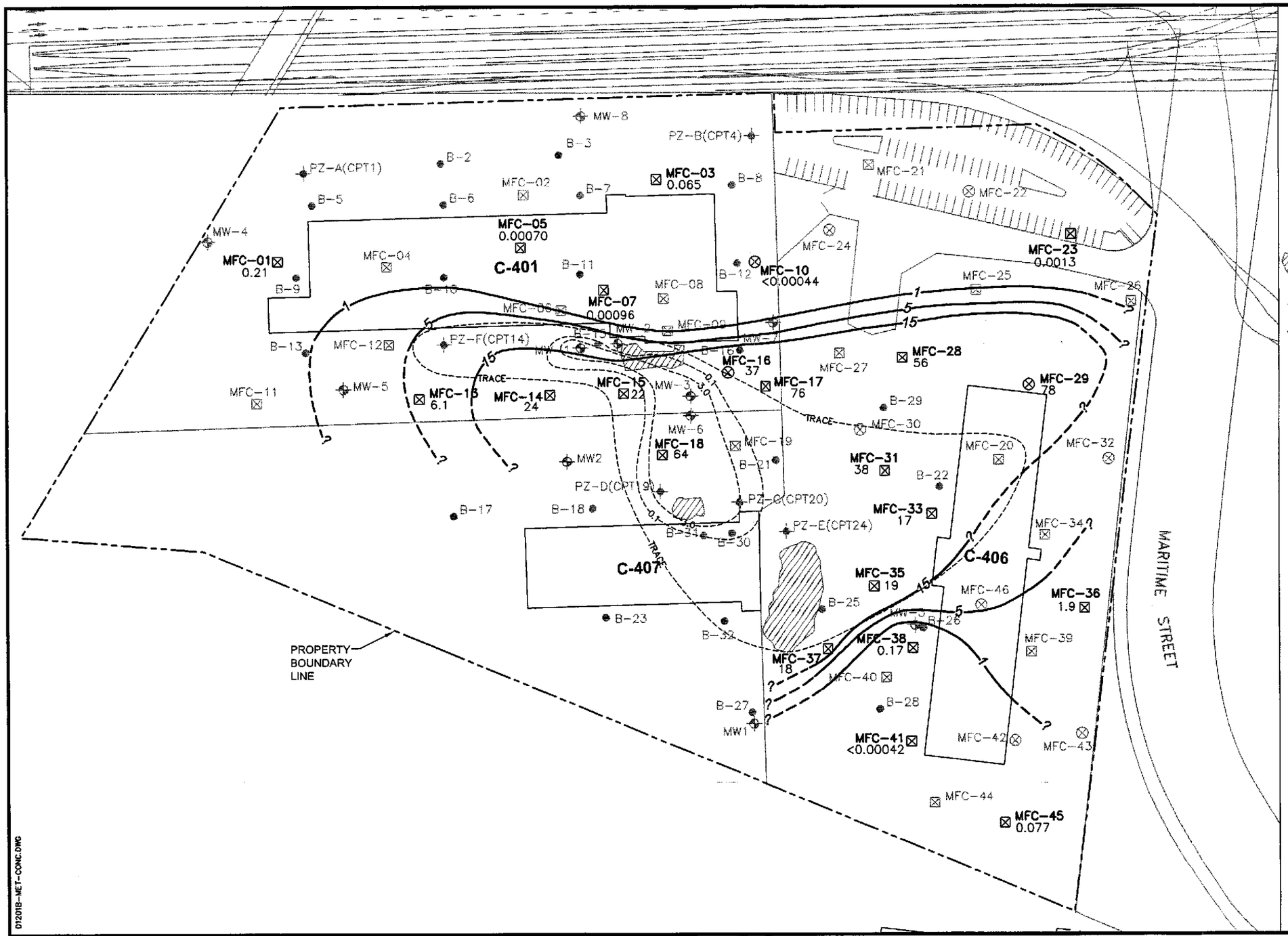


IRIS ENVIRONMENTAL
1615 Broadway, Suite 1003, Oakland, California 94612

Concentrations of Total Petroleum Hydrocarbons in Soil Gas
Port of Oakland Future Port Field Support Services Complex
2225 and 2277 7th Street
Oakland, California

Figure
11

Drafter: MAS | Date: 6/2/02 | Contract Number: 01-2018 | Approved: | Revised:



IRIS ENVIRONMENTAL
1615 Broadway, Suite 1003, Oakland, California 94612

Concentrations of Methane in Soil Gas
Port of Oakland Future Port Field Support Services Complex
2225 and 2277 7th Street
Oakland, California

Figure
12

Drafter: MAS | Date: 6/2/02 | Contract Number: 01-201B | Approved: | Revised:

Boring: MFC-1

Surface Elev. 13.63 FT. POD
Coordinates: N 2,120,603.98; E 6,037,813.00
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		12/12			0			ASPHALT AND BASEROCK
MFC-1-1.0-1.5	0.1	18/36		S	1		SW	VERY DARK GRAYISH BROWN GRAVELLY SAND (2.5Y 3/2), damp, loose to medium dense, fine to coarse subangular to subrounded gravel, well graded, (40% gravel, 45% sand, 15% fines)
MFC-1-2.0-2.5	16.4			S	2			moist to wet @ 1.5 – 2.0 ft
					3			
MFC-1-4.0-4.5	40.4	12/36		S	4		SP-SM	OLIVE BROWN SILTY SAND (2.5Y 4/3), damp, very loose, fine to medium sand, poorly to moderately graded, (0,85,15)
					5			
					6			
		34/36			7		SC	OLIVE CLAYEY SAND (5Y 5/3) moist to wet, loose to medium dense, fine to medium sand, poorly to moderately graded, (0,85,15)
					8			color changes to BLACK (2.5Y 2.5/1), fines fraction increases slightly
					9			color changes to OLIVE (5Y 5/3)
					10			

01201B-MFC-1.DWG

IRIS ENVIRONMENTAL
1615 Broadway, Suite 1003, Oakland, California 94612

Log of Boring Page 1 of 2
Phase II Environmental Site Assessment
2225 & 2277 7th Street
Port of Oakland; Oakland, California

Figure **A1**

Boring: MFC-1

Surface Elev. 13.63 FT. POD
Coordinates: N 2,120,603.98; E 6,037,813.00
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type
		30/36		10		sand fraction increases to 90%
				11		
				12		color changes to DARK GREENISH GRAY (GLEY 1 4/1) fine fraction increases to 15–20%
				13		

DRILLING NOTES:

1. Boring terminated at 13.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 7.1 feet bgs during drilling.

01201B-MFC-1.DWG

Boring: MFC-2

Surface Elev. 13.29 FT. POD
Coordinates: N 2,120,623.67; E 6,038,062.33
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Soil Type	
		6/12		CONCRETE AND BASEROCK
MFC-2-1.5-2.0	2.9	6/36	SW	VERY DARK GRAYISH BROWN GRAVELLY SAND (10Y 3/2), damp, loose, fine gravel, well graded, (30% gravel, 55% sand, 15% fines)
MFC-2-4.5-5.0	NA	24/36	SC	LIGHT OLIVE BROWN CLAYEY SAND (2.5Y 5/3), damp to wet, medium dense, fine to coarse sand, poorly graded, (0,90,10)
MFC-2-5.5-6.0	NA			sand fraction increases to 95%
				occasional thin light gray clay lenses 0.2 to 0.4 inches thick
		30/36		fines fraction increases to 10%

Drive Interval; Sample Collected; Depth (ft); Sample Recovery

0120IB-MFC-2.DWG

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Figure **A2**

Boring: MFC–2

Surface Elev. 13.29 FT. POD
Coordinates: N 2,120,623.67; E 6,038,062.33
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD–1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type
				10		

DRILLING NOTES:

1. Boring terminated at 10.5 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 6.25 feet bgs during drilling.

012018–MFC–2.DWG

Boring: MFC-3

Surface Elev. 14.70 FT. POD
Coordinates: N 2,120,628.08; E 6,038,212.64
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Soil Type	
		9/12		ASPHALT AND BASEROCK
		20/36	SW	VERY DARK GRAY GRAVELLY SAND (2.5Y 3/1), damp, medium dense, fine to coarse gravel, well graded, minor brick fragments, (25% gravel, 60% sand, 15% fines)
MFC-3-1.5-2.0	0.0			
		21/36	SC	LIGHT OLIVE BROWN CLAYEY SAND (2.5Y 5/3), damp to wet, loose to medium dense, fine to coarse subrounded to subangular coarse sand, poorly to moderately graded, minor presence of small clay balls, (0,95,5)
MFC-3-4.5-5.0	0.0			
		21/36		fines increase to 15% and color changes to OLIVE GRAY (5Y 5/2) with GREENISH GRAY (GLEY 1 5/1) mottling
MFC-3-7.5-8.0	0.0			mottled OLIVE BROWN / GREEN GRAY CLAY LENS (6")

Drive Interval: S
Sample Recovery: S
Sample Collected Depth (ft): 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

01201B-MFC-3.DWG

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Figure **A3**

Boring: MFC-3

Surface Elev. 14.70 FT. POD
Coordinates: N 2,120,628.08; E 6,038,212.64
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type
		32/36		10		sand fraction increases to 90%
				11		color changes to DARK GREENISH GRAY (GLEY 1 4/1)
				12		color changes to LIGHT OLIVE BROWN (2.5Y 5/3)
				13		

DRILLING NOTES:

1. Boring terminated at 13.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 8.35 feet bgs during drilling.

012018-MFC-3.DWG

Boring: MFC-4

Surface Elev. 17.67 FT. POD
Coordinates: N 2,120,583.84; E 6,037,918.24
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
					0			CONCRETE
		12/12			1		GW	OLIVE SANDY GRAVEL (5Y 4/3), damp, loose, fine angular gravel, moderately graded, (85% gravel, 10% sand, 5% fines) [FILL]
		27/36			2			
					3			
					4		SP	OLIVE BROWN SAND (2.5Y 4/3), damp, very loose, fine to medium sand, poorly graded (0,95,5) [FILL]
		14/36			5		GW	BLACK SANDY GRAVEL (2.5Y 2.5/1), damp, very loose, subangular fine to coarse gravel, well graded, some brick fragments, (60,25,15) [FILL]
MFC-4-5.0-5.5	42.7			S				color change to LIGHT OLIVE GRAY (5Y 6/2)
					6		SM	BLACK SILTY SAND (2.5Y 2.5/1) damp, medium dense, fine to coarse gravel, moderately graded (5,70,25)
		14/36			7			
					8			color changes to LIGHT OLIVE BROWN (2.5Y 5/3) and sand fraction increases to (0,95,5)
MFC-4-8.5-9.0	0.4			S	9			
					10			

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Figure
A4

Boring: MFC-4

Surface Elev. 17.67 FT. POD
Coordinates: N 2,120,583.84; E 6,037,918.24
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type	
				10			
		27/36					
MFC-4-11.0-11.5	0.0			11		SC-SP	OLIVE BROWN SAND to CLAYEY SAND (2.5Y 4/3), moist to saturated, loose, fine to medium sand, poorly graded, (0% gravel, 75-90% sand, 10-25% fines)
				12			some black clay lenses (0.2 to 0.5-inches thick) and black mottling
				13			
		24/36					
				14		SC	GRAYISH BROWN CLAYEY SAND (2.5Y 5/2), moist, loose, fine sand, poorly graded, (0,55,45)
				15			color changes to DARK OLIVE GRAY (5Y 3/2), sand fraction increases to 85%, grain size up to medium sand
				16			

DRILLING NOTES:

1. Boring terminated at 16.5 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 11.8 feet bgs during drilling.

012018-MFC-4.DWG

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Figure **A4**

Boring: MFC-5

Surface Elev. 17.68 FT. POD
Coordinates: N 2,120,578.20; E 6,038,054.33
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
					0			CONCRETE
		12/12			1		SM	GRAYISH BROWN SILTY SAND (2.5Y 5/2), damp, loose, fine gravel, poorly to moderately graded, (5% gravel, 70% sand, 25% fines)
		24/36			2			color changes to OLIVE BROWN (2.5Y 4/4) [FILL] 3" lens BLACK SANDY GRAVEL (7.5YR 2/0)
					3			
					4			
		12/36						brick fragments present
MFC-5-5.0-5.5	0.0			S	5		GW	BLACK SANDY GRAVEL (2.5Y 2.5/1) damp, very loose, fine to coarse subangular gravel, well graded, some brick fragments (60,25,15) [FILL]
					6			
					7			
		12/36					SP	DARK GRAYISH BROWN SAND (2.5Y 4/2) damp to wet, loose, fine to medium sand, poorly to moderately graded, (0,90,10)
MFC-5-8.0-8.5	0.0			S	8			
					9			
					10			

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Figure
A5

Boring: MFC-5

Surface Elev. 17.68 FT. POD
Coordinates: N 2,120,578.20; E 6,038,054.33
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type
					10		
		14/36					
MFC-5-11.0-11.5	0.0			S	11		
					12		sandy clay lens (6")
					13		
		36/36					
					14		color change to DARK GREENISH GRAY (GLEY 1 4/1)
					15		
					16		

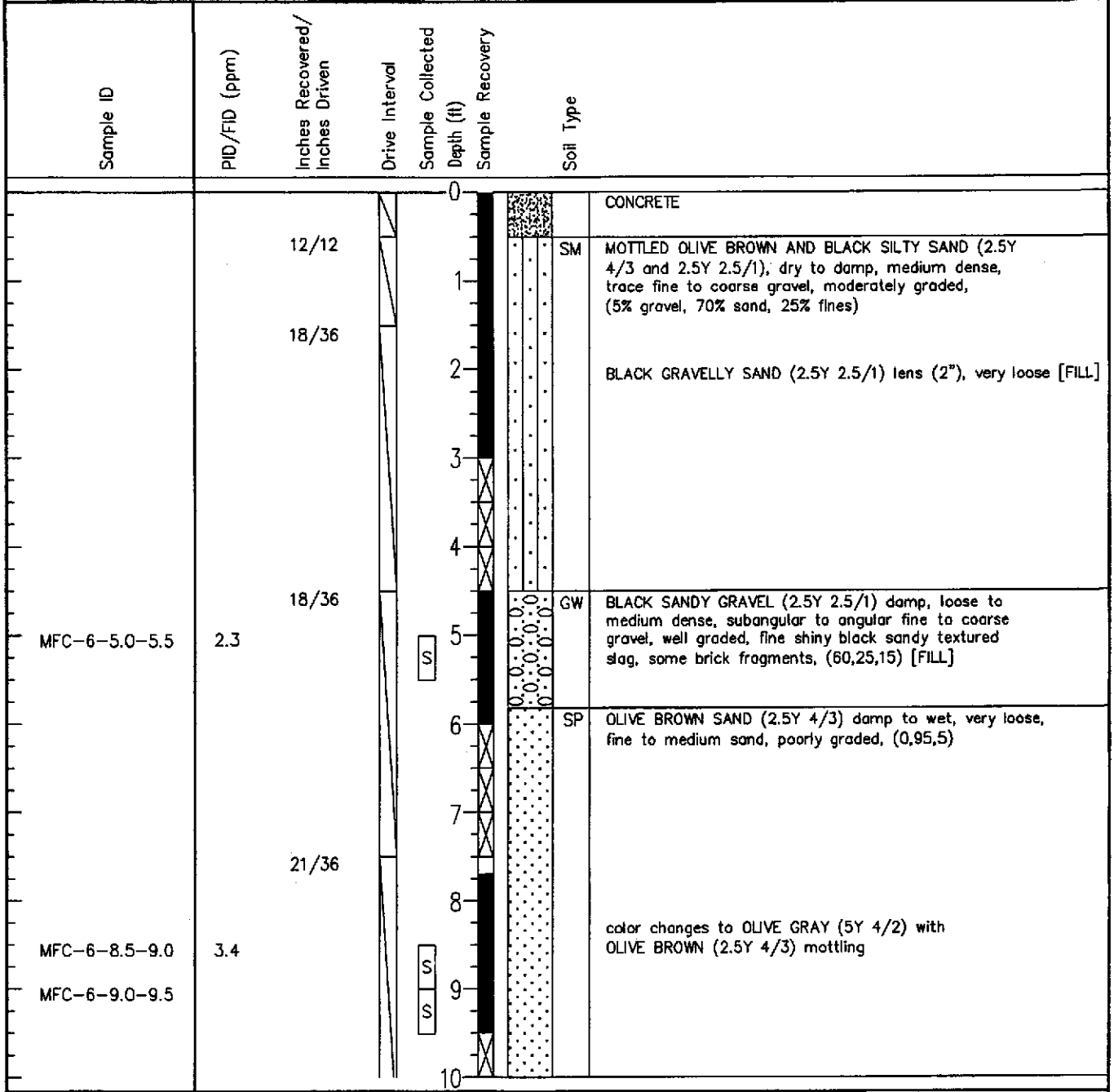
DRILLING NOTES:
1. Boring terminated at 16.5 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 12.0 feet bgs during drilling.

012018-MFC-5.DWG

Boring: MFC-6

Surface Elev. 17.67 FT. POD
Coordinates: N 2,120,510.92; E 6,038,087.11
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger



01201B-MFC-6.DWG

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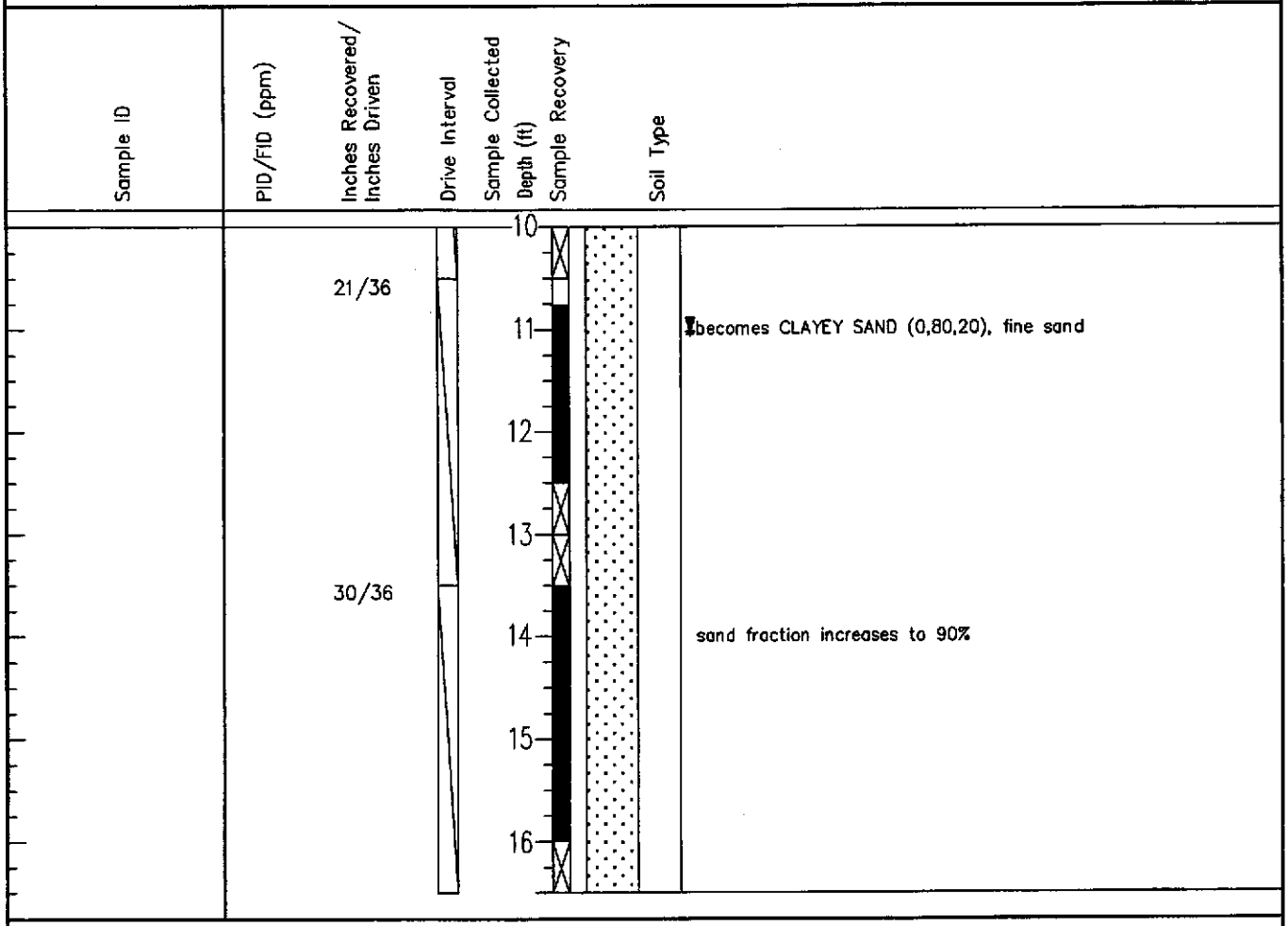
Figure
A6

Boring: MFC–6

Surface Elev. 17.67 FT. POD
Coordinates: N 2,120,510.92; E 6,038,087.11
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD–1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger



DRILLING NOTES:

1. Boring terminated at 16.5 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 11.0 feet bgs during drilling.

012018-MFC-5.DWG

Boring: MFC-7

Surface Elev. 17.66 FT. POD
Coordinates: N 2,120,518.85; E 6,038,132.80
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
					0			CONCRETE AND BASEROCK
		6/12			1			
		20/36			2		GW	DARK GRAYISH BROWN SANDY GRAVEL (2.5Y 4/2), damp, loose to medium dense, subangular fine to coarse gravel, well graded, brick fragments, punched through PVC condult without electrical wiring, gravel has an asphalt coating, (60% gravel, 25% sand, 15% fines) [FILL]
MFC-7-3.0-3.5	2.3			S	3			
		14/36			4			
MFC-7-5.0-5.5	1.4			S	5			
MFC-7-5.5-6.0	1.4			S	6			
		21/36			7			
					8			black vitrious sand-sized slag
MFC-7-8.5-9.0	3.0			S	9		SP	LIGHT OLIVE BROWN SAND (2.5Y 5/4), moist to wet, loose to very loose, fine to medium sand, poorly graded, (0,95,5)
MFC-7-9.0-9.5	3.0			S				
					10			

0120IB-MFC-7.DWG

Boring: MFC-7

Surface Elev. 17.66 FT. POD
Coordinates: N 2,120,518.85; E 6,038,132.80
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type
		24/36		10		
				11		
				12		
				13		

DRILLING NOTES:

1. Boring terminated at 13.5 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 10.5 feet bgs during drilling.

D1201B-MFC-7.DWG

Boring: MFC-8

Surface Elev. 14.87 FT. POD
Coordinates: N 2,120,495.28; E 6,038,178.58
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
					0			CONCRETE AND BASEROCK
		12/12			1		GW	VERY DARK GRAYISH BROWN SANDY GRAVEL (2.5Y 3/2), damp, loose, angular to subrounded fine to coarse gravel, well graded, brick fragments, wood and plant debris, (60% gravel, 30% sand, 10% fines) [FILL]
		15/36						
MFC-8-2.0-2.5	4.6			S	2			bricks fragments present
					3			
					4			
		21/36						
MFC-8-5.0-5.5	1.7			S	5			
MFC-8-5.5-6.0	1.7			S				
					6		SP	OLIVE BROWN CLAYEY SAND (2.5Y 4/3), damp to wet, loose, fine to medium subangular to subrounded sand, moderately graded, (0,80,20)
		32/36			7			
MFC-8-8.0-8.5	1.7			S	8			
					9			occasional thin clay lenses, mottled.
					10			

01201B-MFC-8.DWG

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Figure **A8**

Boring: MFC–8

Surface Elev. 14.87 FT. POD
Coordinates: N 2,120,495.28; E 6,038,178.58
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD–1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type	
		33/36		10			
				11			
				12			
				13		SC	OLIVE GRAY CLAYEY SAND (5Y 5/2), wet, loose, fines to medium sand, poorly to moderately graded, (0,70,30) [NATIVE] color changes to DARK GRAY (5Y 4/1) and sand fraction increases to 80%

DRILLING NOTES:

1. Boring terminated at 13.5 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 8.2 feet bgs during drilling.

012018-MFC-8.DWG

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Figure
A8

Boring: MFC-9

Surface Elev. 14.58 FT. POD
Coordinates: N 2,120,462.68; E 6,038,173.88
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
					0			CONCRETE AND BASEROCK
		12/12			1		GW	VERY DARK GRAYISH BROWN SANDY GRAVEL (2.5Y 3/2), damp, loose, fine to coarse subangular to subrounded gravel, well graded, brick fragments, wood and plant debris, (55% gravel, 35% sand, 10% fines) [FILL]
		15/36						
MFC-9-2.0-2.5	0.0			S	2			
					3		SC	OLIVE BROWN CLAYEY SAND (2.5Y 4/3), damp to wet, loose, fine to medium sand, moderately to poorly graded, (0,90,10)
		27/36			4			
MFC-9-5.0-5.5	0.0			S	5			
MFC-9-5.5-6.0				S	6			
					7			
		34/36			8			sand fraction increases to 95%
								sand fraction decreases to 85%
					9			
					10			

012018-MFC-9.DWG

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Figure **A9**

Boring: MFC-9

Surface Elev. 14.58 FT. POD
Coordinates: N 2,120,462.68; E 6,038,173.88
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type
		24/36		10		color changes to DARK GRAY (5Y 4/1)
				11		
				12		sand fraction decreases to 80%
				13		

DRILLING NOTES:

1. Boring terminated at 13.5 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 6.5 feet bgs during drilling.

012018-MFC-9.DWG

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Figure
A9

Boring: MFC-10

Surface Elev. 14.41 FT. POD
Coordinates: N 2,120,517.44; E 6,038,285.55
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		12/12			0			ASPHALT AND BASEROCK
		8/36			1			
MFC-10-1.5-2.0	0.0			S	2		GW	VERY DARK GRAY SANDY GRAVEL (2.5Y 3/1) dry to damp, loose to medium dense, fine to coarse subangular to angular gravel, well graded, red brick fragments present, (55% gravel, 35% sand, 10% fines) [FILL]
		15/36			3			
					4			
MFC-10-5.0-5.5	0.0			S	5		SP	OLIVE BROWN SAND (2.5Y 4/3), damp, loose, fine to medium sand, poorly graded, (0,95,5)
					6			
					7			

DRILLING NOTES:

1. Boring terminated at 7.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was not encountered during drilling.

012018-MFC-10.DWG

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Figure **A10**

Boring: MFC-11

Surface Elev. 14.24 FT. POD
Coordinates: N 2,120,461.68; E 6,037,776.17
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Soil Type	
		6/12		ASPHALT AND BASEROCK
		14/36		
MFC-11-1.5-2.0	0.0		SC	DARK YELLOWISH BROWN CLAYEY SAND (10YR 3/4), damp, loose to medium dense, fines to fine gravel, well graded (15% gravel, 65% sand, 20% fines)
			SP	OLIVE BROWN SAND (2.5Y 4/3), damp to wet, very loose, fine to medium sand, poorly graded, shell fragments present, (0,95,5)
MFC-11-4.0-4.5	0.0	30/36		
		36/36		DARK YELLOWISH BROWN CLAYEY SAND (10YR 3/4) lens (4") changes color to OLIVE GRAY (5Y 4/2)

Drive Interval; Sample Collected; Sample Recovery

Depth (ft): 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 4.5 feet bgs during drilling.

01201B-MFC-11.DWG

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Figure **A11**

Boring: MFC-12

Surface Elev. 14.60 FT. POD
Coordinates: N 2,120,499.18; E 6,037,915.01
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		6/12			0			ASPHALT AND BASEROCK
		12/36			1		SM	OLIVE BROWN SILTY SAND (2.5Y 4/4), damp, very loose, fine gravel, moderately to poorly graded (5% gravel, 75% sand, 20% fines) [FILL]
MFC-12-1.5-2.0	3.3			S	2			
					3			
MFC-12-4.0-4.5	1.7	24/36		S	4		SP	OLIVE GRAY SAND (5Y 5/2), damp to wet, very loose, fine to medium sand, poorly graded, shell fragments present, (0,95,5)
					5			
					6			
		6/12			7			
					8			

DRILLING NOTES:

1. Boring terminated at 8.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 4.75 feet bgs during drilling.

012018-MFC-12.DWG

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Figure
A12

Boring: MFC–13

Surface Elev. 13.84 FT. POD
Coordinates: N 2,120,442.50; E 6,037,950.61
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD–1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		12/12			0			ASPHALT AND BASEROCK
		27/36			1		GW	OLIVE BROWN SANDY GRAVEL (2.5Y 4/3), damp, loose, fine to coarse gravel, well graded (60% gravel, 30% sand, 10% fines) [FILL]
MFC–13–1.5–2.0	9.1			S	2		SM	BLACK SILTY SAND (2.5Y 2.5/1), damp, loose, fine gravel, moderately graded, red and yellow brick fragments, (10,70,20) [FILL]
MFC–13–3.0–3.5	0.0			S	3		SP	OLIVE GRAY SAND (5Y 5/2), damp to wet, loose, fine to medium sand, poorly graded (0,95,5)
		21/36			4			
					5			
					6			
		27/36			7			
					8			
					9		CH	OLIVE GRAY CLAY (5Y 5/2), wet, very soft, high dry strength, high plasticity, decayed plant staining, (0,5,95) [BAY MUD]
					10			

012018–MFC–13.DWG

DRILLING NOTES:
1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 4.5 feet bgs during drilling.

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Figure **A13**

Boring: MFC–14

Surface Elev. 13.98 FT. POD
Coordinates: N 2,120,426.30; E 6,038,062.04
Drill Date: Start 3/25/02 Finish 3/25/02

Drill Method: MC/DP SD–1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		8/12			0			ASPHALT AND BASEROCK
		33/36			1		SM	DARK OLIVE GRAY SILTY SAND (5Y 3/2), damp, loose, fine subrounded gravel, moderate to well graded (10% gravel, 60% sand, 30% fines)
MFC–14–1.5–2.0	13.5			S	2		SP	OLIVE GRAY SAND (5Y 5/2), damp to wet, loose, fine to medium subrounded to subangular sand, poorly graded (0,95,5)
MFC–14–3.0–3.5	2.9			S	3			
MFC–14–4.0–4.5	3.8	27/36		S	4			
					5			▼
					6			
		27/36			7			color change to OLIVE BROWN (2.5Y 4/3)
					8			
					9			
					10			

DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 5.25 feet bgs during drilling.

012018-MFC-11.DWG

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Figure
A14

Boring: MFC-15

Surface Elev. 14.12 FT. POD
Coordinates: N 2,120,417.24; E 6,038,131.19
Drill Date: Start 3/25/02 Finish 3/25/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		6/12			0			ASPHALT AND BASEROCK
		26/36			1			
MFC-15-1.5-2.0	4.2			S	2		SM	BLACK SILTY SAND (2.5Y 2.5/1), damp, loose to medium dense, fine gravel, poorly to moderate graded, brick fragments present, some light iron oxide staining (5% gravel, 70% sand, 25% fines) [FILL]
MFC-15-3.0-3.5	7.2			S	3		SP	OLIVE GRAY SAND (5Y 5/2), damp to wet, loose, fine to medium subrounded sand, poorly graded, light petroleum odor, (0,95,5)
		32/36			4			
MFC-15-4.5-5.0	7.2			S	5			
MFC-15-4.5-5.0 DUP	7.2			S				
		6/12			7			clay lens (4")
					8			

DRILLING NOTES:
1. Boring terminated at 8.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 5.5 feet bgs during drilling.

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Figure
A15

Boring: MFC-16

Surface Elev. 14.20 FT. POD
Coordinates: N 2,120,415.16; E 6,038,253.69
Drill Date: Start 3/25/02 Finish 3/25/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		6/12			0			ASPHALT AND BASEROCK
		16/36			1		SM	OLIVE BROWN SILTY SAND (2.5Y 4/3) damp, loose, moderately graded, fine gravel, (15% gravel, 60% sand, 25% fines)
MFC-16-1.5-2.0	3.6			S	2		SM	GRAYISH BROWN SILTY SAND (2.5Y 5/2) damp, medium dense, fine gravel, moderately graded, (5,75,20)
					3			
MFC-16-4.0-4.5	21.3	24/36		S	4		SC	DARK GREENISH GRAY CLAYEY SAND (GLEY 1 4/1), damp to wet, loose, poorly graded, fine to medium sand, slight petroleum odor, (0,85,15)
					5			interbedded with mottled BLACK, LIGHT GRAY, AND OLIVE BROWN CLAYEY SILT (ML), firm, moderate plasticity (0,25,75)
					6			
		30/36			7			
					8			
					9			becomes less dense
					10			

DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 4.75 feet bgs during drilling.

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Figure
A16

Boring: MFC-17

Surface Elev. 14.22 FT. POD
Coordinates: N 2,120,383.21; E 6,038,276.75
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		12/12			0			ASPHALT AND BASEROCK
		14/36			1		GW	BLACK SANDY GRAVEL (2.5Y 2.5/1), damp, loose, fine to coarse rounded to subangular gravel, well graded, (60% gravel, 30% sand, 10% fines)
MFC-17-1.5-2.0	0.0			S	2			lens of very fine BLACK CLAYEY SAND (2.5Y 2.5/1) ~3"
					3			
					4			
MFC-17-4.5-5.0	279.2			S	5		SP	DARK GREENISH GRAY SAND (GLEY 1 4/1), moist to wet, loose, poorly graded, fine to medium sand, petroleum odor, (0,90,10)
					6			
		27/36			7			
					8			
					9			
					10			

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Figure
A17

Boring: MFC–17

Surface Elev. 14.22 FT. POD
Coordinates: N 2,120,383.21; E 6,038,276.75
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP SD–1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type	
		30/36		10		CH	DARK GREENISH GRAY SANDY CLAY (GLEY 1 4/1), moist, soft, fine to medium sand, moderate to high plasticity (0,15,85)
				11			
				12		SP	DARK GREENISH GRAY SAND (GLEY 1 4/1), wet, loose, poorly graded, fine to medium sand, slight petroleum odor (0,90,10)
				13			

DRILLING NOTES:

1. Boring terminated at 13.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 5.5 feet bgs during drilling.

012018-MFC-17.DWG

Boring: MFC-18

Surface Elev. 13.99 FT. POD
Coordinates: N 2,120,339.81; E 6,038,163.15
Drill Date: Start 3/25/02 Finish 3/25/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		10/12			0			ASPHALT AND BASEROCK
		27/36			1		SM	OLIVE BROWN SILTY SAND (2.5Y 4/4) damp, medium dense, moderately graded, petroleum odor, (15% gravel, 60% sand, 25% silt) [FILL]
MFC-18-1.5-2.0	5.8			S	2			color changes to DARK GREENISH GRAY (GLEY 1 4/1)
MFC-18-3.0-3.5	58.1			S	3			brick and charcoal/wood debris present
		30/36			4		SP	OLIVE GRAY SAND (5Y 5/2) damp to wet, loose, fine to medium grained subrounded sand, poorly graded, petroleum odor (0% gravel, 95% sand, 5% fines)
MFC-16-4.5-5.0	88.0			S	5			▼
					6			
		26/36			7			
					8			
					9			
					10			

DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 5.0 feet bgs during drilling.

01201B-MFC-15.DWG

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Figure **A18**

Boring: MFC-19

Surface Elev. 13.75 FT. POD
Coordinates: N 2,120,348.27; E 6,038,236.53
Drill Date: Start 3/25/02 Finish 3/25/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by R. Ramirez
Reviewed by C. Alger

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		4/12			0			ASPHALT AND BASEROCK
MFC-19-1.0-1.5	8.9	18/38		S	1		GW	OLIVE GRAY GRAVELLY SAND (5Y 5/2) damp, loose, fine gravel, moderately graded, petroleum odor (30% gravel, 60% sand, 10% fines)
MFC-19-2.0-2.5	22.3			S	2		SP	OLIVE GRAY SAND (5Y 5/2), damp to wet, loose, fine to medium grained subrounded to rounded sand, poorly graded, petroleum odor (0,95,5)
MFC-19-4.0-4.5	25.0	24/36		S	3			
					4			some black staining
					5			▼
					6			
		18/36			7			
					8			
					9			
					10			

012018-MFC-15.DWG

DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 5.0 feet bgs during drilling.

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Figure
A19

Boring: MFC-20

Surface Elev. 19.92 FT. POD
Coordinates: N 2,102,285; E 6,038,494.15
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP XD-1
Driller: PSI / Valentin
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
					0			CONCRETE
		35/36			1		SC	DARK GREENISH GRAY CLAYEY SAND (10Y 4/1), damp, dense, fine to coarse sand, brick and wood fragments present, (5% gravel, 70% sand, 25% fines) [FILL]
					2			interbedded clay lenses
		27/36			3			
MFC-20-4.0-4.5	24.5			S	4			some shell fragments present; Percent clay decreases
					5			
					6			
		11/36			7		SW	GREENISH BLACK GRAVELLY SAND (10Y 2.5/1), damp, loose, subangular to angular coarse gravel upto 2.5-inch diameter, (30,50,20) [FILL]
MFC-20-7.0-7.5				S	8			
					9			
		2/36			10			

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Figure
A20

Boring: MFC–20

Surface Elev. 19.92 FT. POD
Coordinates: N 2,102,285; E 6,038,494.15
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP XD–1
Driller: PSI / Valentin
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		33/36			10			
					11			
					12			
MFC–20–13.0–13.5				S	13		SC	GREENISH GRAY CLAYEY SAND (5G 4/1), wet, loose, interbedded with common black sand lens, heavy petroleum odor and staining, (0,60,40)
					14			
					15		CL	GREENISH GRAY SANDY CLAY (5G 4/1), wet, soft, moderate to high plasticity, color grades to black (2.5Y 2.5/1) (0,10,90) [BAY MUD]

DRILLING NOTES:

1. Boring terminated at 15.5 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 13.0 feet bgs during drilling.

01201B–MFC–20.DWG

Boring: MFC–21

Surface Elev. 14.84 FT. POD
Coordinates: N 2,120,605.11; E 6,038,409.66
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD–1
Driller: PSI / Valentin
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Soil Type	
		8/12		ASPHALT AND BASEROCK
		21/36		
MFC–21–1.5–2.0	0.0		SC	DARK GREENISH GRAY CLAYEY SAND (10Y 4/1), damp, dense, subangular fine to coarse gravel, fine to coarse sand, (15% gravel, 55% sand, 30% fines) [FILL]
MFC–21–1.5–2.0 DUP				
		16/36		
MFC–21–4.5–5.0	0.0		SC	GREENISH GRAY CLAYEY SAND (10Y 5/1), damp, dense, fine to medium sand, some rust–colored staining (0,75,25)
		22/36		
MFC–21–8.0–8.5	0.0		CL	GREENISH GRAY SANDY CLAY (10Y 5/1), damp, medium stiff, (5,40,55)

Drive Interval: S
Sample Collected
Depth (ft): 0 1 2 3 4 5 6 7 8 9 10
Sample Recovery

01201B–MFC–21.DWG

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Figure
A21

Boring: MFC-21

Surface Elev. 14.84 FT. POD
Coordinates: N 2,120,605.11; E 6,038,409.66
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		12/36			10		SP	YELLOWISH BROWN SAND (10YR 5/4), wet, loose, medium sand, (0,90,10)
					11			
					12			
					13			

DRILLING NOTES:
1. Boring terminated at 13.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 9.0 feet bgs during drilling.

012018-MFC-25.DWG

Boring: MFC-22

Surface Elev. 15.30 FT. POD
Coordinates: N 2,120,568.87; E 6,038,499.25
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		8/12			0			ASPHALT AND BASEROCK
		22/36			1		SW	DARK YELLOWISH BROWN GRAVELLY SAND (10YR 4/6), damp, dense, fine angular gravel, medium to fine sand, (25% gravel, 55% sand, 20% fines) [FILL]
MFC-22-1.5-2.0	0			S	2		SC	DARK GREENISH GRAY CLAYEY SAND (10Y 4/1), damp, dense, fine to coarse, subangular gravel, fine to coarse sand, (15,60,25) [FILL]
					3			
		20/36			4			
MFC-22-4.5-5.0				S				
	0				5			interbeded with sandy clay lenses
					6			
		11/12			7			
	0							sand fraction increases to 80%
MFC-22-7.5-8.0				S	8			

DRILLING NOTES:

1. Boring terminated at 8.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 8.0 feet bgs during drilling.

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Figure **A22**

Boring: MFC-23

Surface Elev. 15.33 FT. POD
Coordinates: N 2,120,497.93; E 6,038,596.50
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		6/12			0			ASPHALT AND BASEROCK
		19/36			1		SW	DARK YELLOWISH BROWN GRAVELLY SAND (10YR 4/6), damp, dense, fine angular gravel, (20% gravel, 65% sand, 15% fines) [FILL]
MFC-23-1.5-2.0	2.3			S	2		SC	DARK GREENISH GRAY CLAYEY SAND (10Y 4/1), damp, dense, fine to medium sand, some brick and cinder fragments in top one foot of unit, (0,75,25) [FILL]
		23/36			3			
					4			
					5			clay fraction decreases, gravel is present (5,85,10)
MFC-23-5.5-6.0	0.9			S	6			
		24/36			7			
MFC-23-8.0-8.5	0.4			S	8			
					9			
					10			

D1201B-MFC-25.DWG

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Figure
A23

Boring: MFC-23

Surface Elev. 15.33 FT. POD
Coordinates: N 2,120,497.93; E 6,038,596.50
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type	
		24/36		10			clay fraction increases
				11			
				12			
				13			

DRILLING NOTES:

1. Boring terminated at 13.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 8.8 feet bgs during drilling.

01201B-MFC-23.DWG

Boring: MFC-24

Surface Elev. 15.32 FT. POD
Coordinates: N 2,120,532.26; E 6,038,332.66
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		9/12			0			ASPHALT AND BASEROCK
		16/36			1		SW	DARK YELOWISH BROWN GRAVELLY SAND (10YR 3/4), damp, loose, fine to coarse angular gravel, medium to coarse sand (35% gravel, 50% sand, 15% fines) [FILL]
MFC-24-1.5-2.0	0			S				some rusty staining
					2		SP	GRAY SAND (25Y 5/1), damp, loose, fine to medium sand (0,95,5)
					3			interbedded with sandy clay (0,35,65)
MFC-24-4.0-4.5	0	12/36		S	4			
MFC-24-4.0-4.5 DUP				S	5			
					6			
					7			

DRILLING NOTES:
1. Boring terminated at 7.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was not encountered during drilling.

01201B-MFC-25.DWG

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Figure
A24

Boring: MFC-25

Surface Elev. 14.77 FT. POD
Coordinates: N 2,120,452.95; E 6,038,494.59
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Soil Type	
		6/12		ASPHALT AND BASEROCK
MFC-25-1.0-1.5		24/36	SW	DARK YELLOWISH BROWN GRAVELLY SAND (10YR 4/6), damp to moist, dense, fine angular gravel, (35% gravel, 50% sand, 15% fines) [FILL]
MFC-25-1.0-1.5 Dup	3.0			
	9.7		GW	GREENISH BLACK SANDY GRAVEL (10Y 2.5/1), damp, dense, rounded to angular coarse gravel, brick fragments, strong asphalt odor, (45,35,20) [FILL]
		13/36		
MFC-25-4.5-5.0			SC	DARK GREENISH GRAY CLAYEY SAND (10Y 4/1), damp, dense, fine sand (0,65,35)
		14/36		
	0.4			sand fraction increases to 80%
MFC-25-7.5-8.0				

Sample Recovery: S

Depth (ft): 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

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Figure **A25**

Boring: MFC-25

Surface Elev. 14.77 FT. POD
Coordinates: N 2,120,452.95; E 6,038,494.59
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type
		19/36		10		fines fraction increases to 40%
				11		
				12		
				13		

DRILLING NOTES:

1. Boring terminated at 13.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 8.3 feet bgs during drilling.

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Boring: MFC-26

Surface Elev. 15.38 FT. POD
Coordinates: N 2,120,380.87; E 6,038,635.61
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Soil Type	
		8/12		ASPHALT AND BASEROCK
		17/36	SW	YELLOWISH BROWN GRAVELLY SAND (10YR 5/4), moist, dense, coarse angular gravel, (35% gravel, 50% sand, 15% fines) [FILL]
MFC-26-1.5-2.0	3.0			
	91.9			DEGRADED ASPHALT PAVEMENT AND BASEROCK
		16/36	SC	GREENISH GRAY CLAYEY SAND (5G 5/1), moist, dense, fine to medium sand (0,75,25)
MFC-26-5.0-5.5	6.3			common clayey lenses
		17/36		
MFC-26-7.5-8.0				trace gravel

Sample Collected: S

Depth (ft): 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

Sample Recovery

012018-MFC-26.DWG

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Figure
A26

Boring: MFC-26

Surface Elev. 15.38 FT. POD
Coordinates: N 2,120,380.87; E 6,038,635.61
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type
	0.0	17/36		10		
				11		
				12		
				13		

DRILLING NOTES:

1. Boring terminated at 13.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 10.1 feet bgs during drilling.

012018-MFC-26.DWG

Boring: MFC-27

Surface Elev. 13.84 FT. POD
Coordinates: N 2,120,409.59; E 6,038,353.48
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		10/12			0			ASPHALT AND BASEROCK
					1			clayey sand lens.
		8/36						DEGRADED ASPHALT PAVEMENT AND BASEROCK
MFC-27-1.5-2.0	0.0			S	2			
					3			
		15/36			4			
MFC-27-4.5-5.0	0.0			S	5		SC	GREENISH GRAY CLAYEY SAND (GLEY 1 5/1), damp, dense, fine to medium sand, (0% gravel, 85% sand, 15% silt)
MFC-27-5.5-6.0				S	6			
		28/36			7			
								intebedded with clayey silt, damp, firm, moderate plasticity (0,25,75)
					8			
					9			
					10			

012018-MFC-26.DWG

DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was not encountered during drilling.

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Figure **A27**

Boring: MFC-28

Surface Elev. 14.33 FT. POD
Coordinates: N 2,120,396.92; E 6,038,401.85
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Romirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		8/12			0			ASPHALT AND BASEROCK
							SC	GREENISH GRAY CLAYEY SAND (GLEY 1 5/1), damp, fine to coarse sand, angular fine gravel with rusty straining, (5% gravel, 75% sand, 20% fines) [FILL]
MFC-28-1.0-1.5	NA	6/36		S	1			DEGRADED ASPHALT PAVEMENT AND BASEROCK contains dense rock-hard slag
					2			
					3			
					4			
		18/36					SC	DARK GREENISH GRAY CLAYEY SAND (GLEY 1 4/1), damp, dense, fine to medium sand, brick and wood fragments in upper most 2-inches of unit [FILL]
MFC-28-5.0-5.5	1.3			S	5			
					6			
		18/36			7			Intebedded with CLAYEY SILT, moist to wet, firm, moderate plasticity (0,25,75)
	0.0				8			
					9			
					10			

DRILLING NOTES:
1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 7.3 feet bgs during drilling.

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Figure
A28

Boring: MFC-29

Surface Elev. 15.81 FT. POD
Coordinates: N 2,120,361.05; E 6,038,532.73
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		12/12			0			ASPHALT AND BASEROCK
MFC-29-1.0-1.5	0.0	18/36		S	1			
					2		SC	VERY DARK GRAY CLAYEY SAND (GLEY 1 4/1), damp, fine to medium sand, fine gravel, brick and cinder fragments (5% gravel, 70% sand, 25% fines) [FILL]
					3			
		24/36			4		SP	OLIVE GRAY SAND (5Y 5/2), moist, very loose, fine to medium sand (0,95,5)
MFC-29-4.5-5.0	0.0			S				
MFC-29-4.5-5.0 DUP				S	5			with alternating interbedded CLAYEY SILT lenses, moist, firm, moderate plasticity, (0,25,75)
MFC-29-5.5-6.0	0.0			S	6			
					7			

DRILLING NOTES:

1. Boring terminated at 7.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 6.5 feet bgs during drilling.

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Figure
A29

Boring: MFC-30

Surface Elev. 14.17 FT. POD
Coordinates: N 2,120,343.68; E 6,038,366.13
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		10/12			0			ASPHALT AND BASEROCK
					1		SC	DARK YELLOWISH BROWN CLAYEY SAND (10YR 3/4), damp, loose, medium to coarse sand, angular fine gravel, (15% gravel, 65% sand, 20% fines) [FILL]
		16/36						
MFC-30-1.5-2.0	13.6			S	2		SW	GREENISH BLACK GRAVELLY SAND (10Y 2.5/1), damp, fine to coarse sand, angular fine to coarse gravel (25,60,15) [DEGRADED PAVEMENT] [FILL]
					3			
		9/36			4			brick and glass fragments present.
MFC-30-4.5-5.0	35			S	5			
					6			
					7			

DRILLING NOTES:

1. Boring terminated at 7.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was not encountered during drilling.

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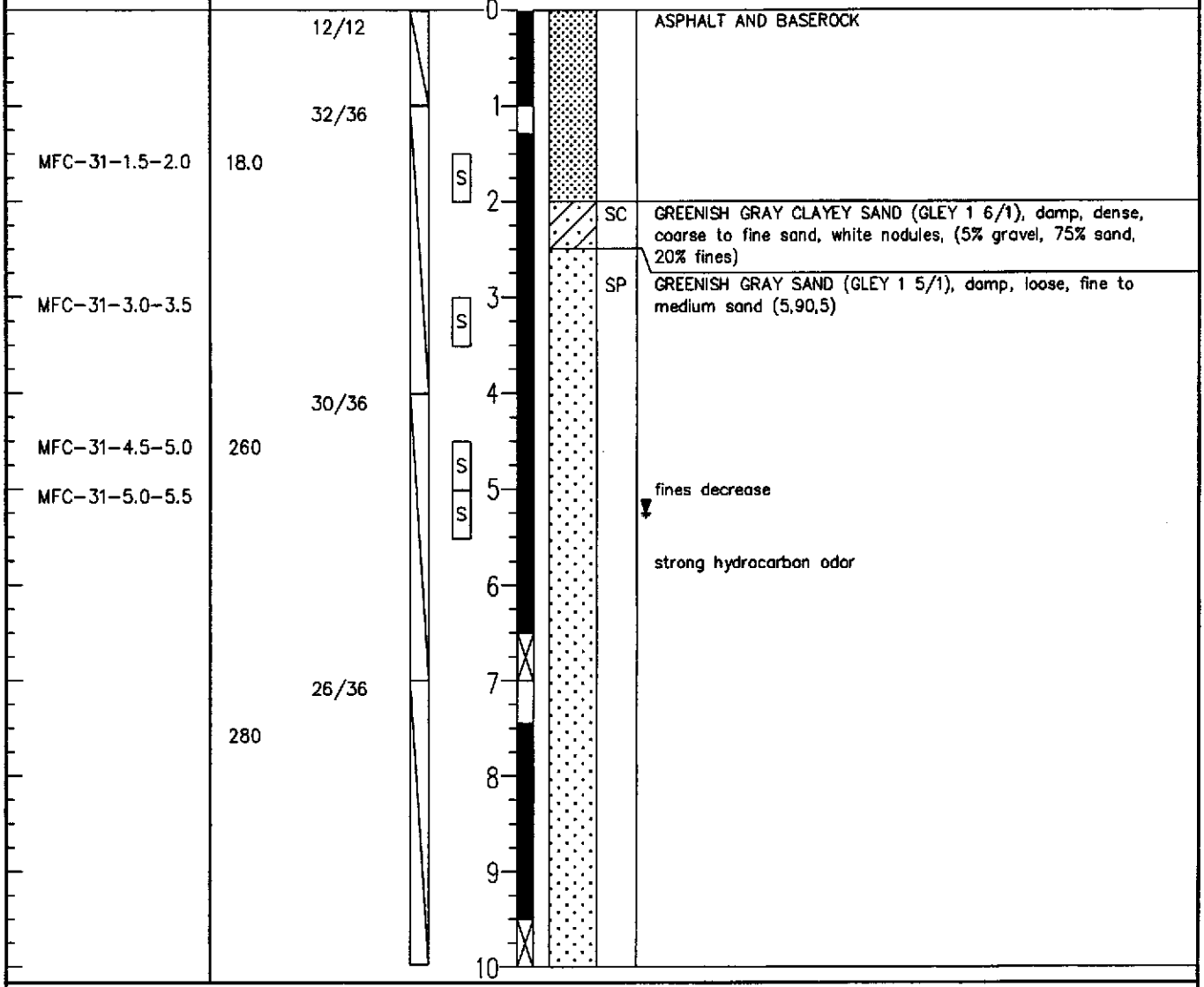
Figure **A30**

Boring: MFC-31

Surface Elev. 14.67 FT. POD
Coordinates: N 2,120,301.53; E 6,038,395.88
Drill Date: Start 3/25/02 Finish 3/25/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez



DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 5.25 feet bgs during drilling.

01201B-MFC-31.DWG

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Figure
A31

Boring: MFC-32

Surface Elev. 14.40 FT. POD
Coordinates: N 2,120,245.29; E 6,038,606.03
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		4/12			0			ASPHALT AND BASEROCK
					1		SC	YELLOWISH BROWN CLAYEY SAND (10YR 5/4), damp, coarse to fine sand, angular gravel, (10% gravel, 55% sand, 35% fines)
		20/36						
MFC-32-1.5-2.0	15.3			S	2		SW	DARK GREENISH GRAY GRAVELLY SAND (GLEY 1 3/1), damp, coarse to fine sand, fine to coarse gravel, (30,50,20)
					3			3-inch lens of PALE GREEN CLAYEY SAND (GLEY 1 6/2)
		0/36			4			
					5			
					6			
					7			

DRILLING NOTES:

1. Boring terminated at 7.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was not encountered during drilling.

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Figure **A32**

Boring: MFC-33

Surface Elev. 15.35 FT. POD
Coordinates: N 2,120,245.64; E 6,038,429.04
Drill Date: Start 3/25/02 Finish 3/25/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		6/12			0			ASPHALT AND BASEROCK
		31/36			1			
MFC-33-1.5-2.0				S	2		SC	GREENISH GRAY CLAYEY SAND (GLEY 1 6/1), damp, dense, fine to coarse sand, white nodules, (5% gravel, 75% sand, 20% fines)
							SP	GREENISH GRAY SAND (GLEY 1 5/1), damp, loose, fine to medium sand (5,90,5)
MFC-33-3.0-3.5				S	3			
		30/36			4			
MFC-33-5.0-5.5				S	5			shell fragments present
MFC-33-5.5-6.0				S				
					6			
		27/36			7			strong hydrocarbon odor
								fines fraction decreases
					8			
					9			
					10			

DRILLING NOTES:
1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 6.5 feet bgs during drilling.

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Figure **A33**

Boring: MFC-34

Surface Elev. 15.11 FT. POD
Coordinates: N 2,120,198.05; E 6,038,531.81
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		3/12			0			ASPHALT AND BASEROCK
		28/36			1			
MFC-34-1.5-2.0	0.0			S	2		SC	DARK GREENISH CLAYEY SAND (GLEY 1 3/1), damp, dense, fine sand, cinders and brick fragments present (5% gravel, 75% sand, 20% fines) [FILL]
MFC-34-3.0-3.5	0.0			S	3		SP	OLIVE GRAY SAND (5Y 5/2), damp, very loose, fine to medium sand, shell fragments (0,95,5)
		26/36			4			
					5			
MFC-34-5.5-6.0	0.0			S	6			
MFC-34-6.0-6.5				S				
		17/36			7			▼
					8			
					9			
					10			

DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 7.2 feet bgs during drilling.

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Figure
A34

Boring: MFC-35

Surface Elev. 14.44 FT. POD
Coordinates: N 2,120,192.04; E 6,038,351.92
Drill Date: Start 3/25/02 Finish 3/25/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		5/12			0			ASPHALT AND BASEROCK
MFC-35-1.0-1.5	64.7	24/36		S	1		SM	VERY DARK GRAY SILTY SAND (5Y 3/1), damp, loose to dense, subangular fine gravel, rust staining on gravel, (15% gravel, 65% sand, 20% fines) [FILL]
MFC-35-2.0-2.5	63.0			S	2		SP	GREENISH GRAY SAND (GLEY 1 6/1), damp, very loose, fine to medium sand, (5,90,5)
					3			lens of BLACK SAND (GLEY 1 2.5/1)
		24/36			4			
MFC-35-5.0-5.5	257			S	5			
MFC-35-5.5-6.0				S	6			shell fragments present
		19/36			7			sand fraction becomes finer; strong hydrocarbon odor
					8			
					9			
					10			

DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 6.0 feet bgs during drilling.

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Figure **A35**

Boring: MFC-36

Surface Elev. 14.31 FT. POD
Coordinates: N 2,120,117.37; E 6,038,568.05
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		6/12			0			ASPHALT AND BASEROCK
		23/36			1		SW	DARK OLIVE BROWN SILTY SAND (2.5Y 3/3), damp, dense, angular gravel to 1-inch, fine to medium sand, cinders and brick fragments (15% gravel, 65% sand, 20% fines) [FILL]
MFC-36-1.5-2.0	0.5			S	2			
MFC-36-1.5-2.0 DUP				S				
					3			color becomes BLACK
		19/36			4			
MFC-36-4.5-5.0	3.4			S	5		SP	DARK GREENISH BROWN SAND (10YR 4/2), damp to wet, loose, fine to medium sand, shell fragments (0,95,5)
					6			
		13/36			7			
					8			
					9			
					10			

012018-MFC-36.DWG

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Figure
A36

Boring: MFC-36

Surface Elev. 14.31 FT. POD
Coordinates: N 2,120,117.37; E 6,038,568.05
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type	
		36/36		10		CL	DARK GREENISH GRAY CLAY (5GY 3/1), wet, soft, high plasticity, occasional fine to medium sand lenses that becomes increasingly finer and more infrequent with depth (0,10,90) [BAY MUD]
				11			
				12			
				13			

DRILLING NOTES:
1. Boring terminated at 13.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 5.5 feet bgs during drilling.

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Boring: MFC-37

Surface Elev. 14.11 FT. POD
Coordinates: N 2,120,114.20; E 6,038,307.08
Drill Date: Start 3/25/02 Finish 3/25/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Romirez

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Soil Type	
		7/12		ASPHALT AND BASEROCK
		15/36	SC	VERY DARK GREY CLAYEY SAND (5Y 3/1), damp, fines to angular medium gravel, brick fragments, some rootlets, strong hydrocarbon odor, (15% gravel, 65% sand, 20% fines) [FILL]
	38.4			
		26/36	SM	GREENISH GRAY SILTY SAND (GLEY 1 6/1), damp, dense, fine to medium sand (5,85,10)
MFC-37-4.5-5.0	154			
MFC-37-4.5-5.0 DUP	191			shell fragments present, fines grade out
		18/36	SP	GREENISH GRAY SAND (GLEY 1 6/1), wet, loose, fine to medium sand (5,90,5)
				hydrocarbon sheen present

Drive Interval: S S
Sample Collected Depth (ft): 0 1 2 3 4 5 6 7 8 9 10
Sample Recovery

DRILLING NOTES:
1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 5.75 feet bgs during drilling.

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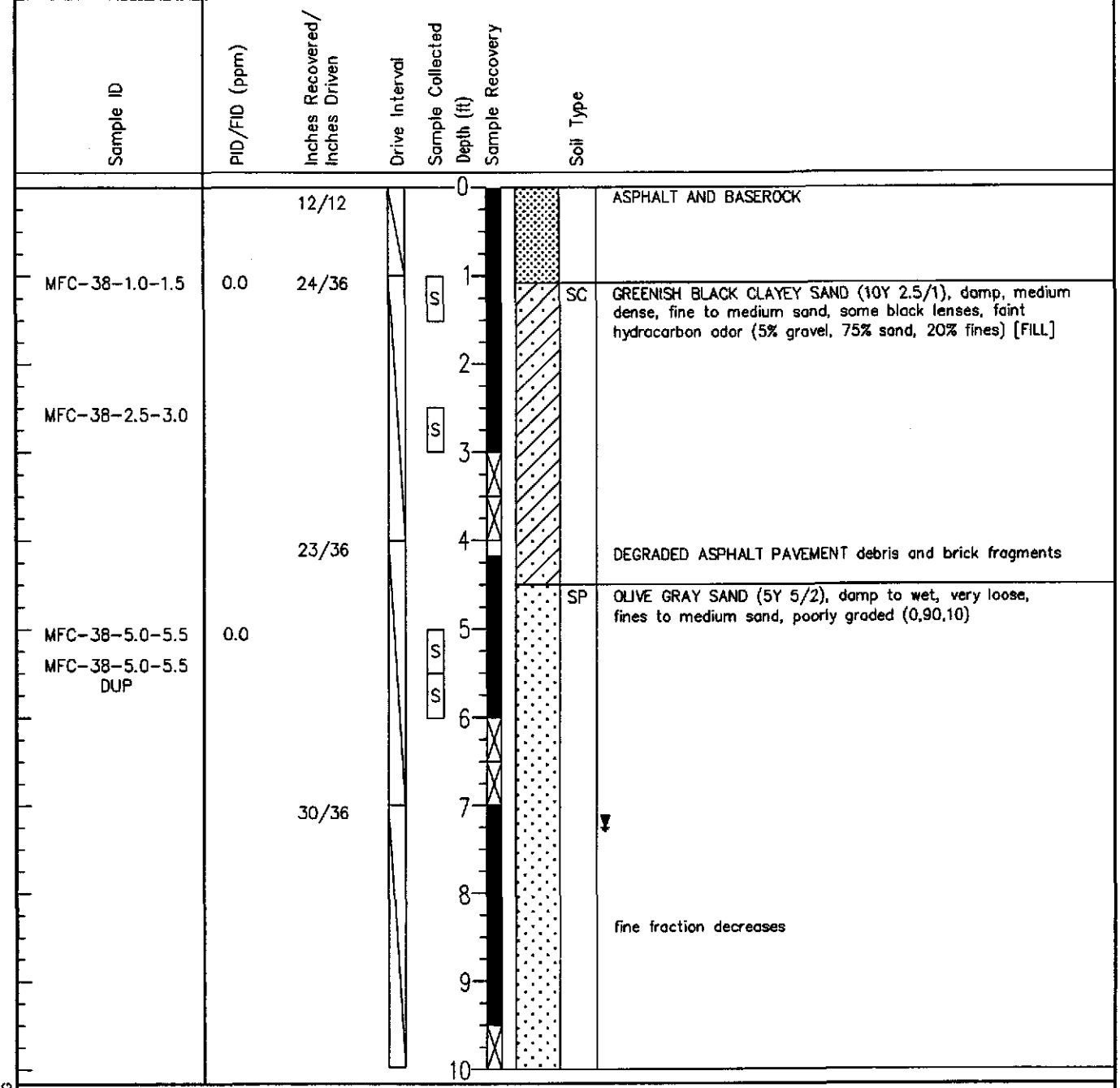
Figure **A37**

Boring: MFC-38

Surface Elev. 15.35 FT. POD
Coordinates: N 2,120,102.85; E 6,038,387.09
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez



DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 7.25 feet bgs during drilling.

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Figure
A38

Boring: MFC-39

Surface Elev. 15.58 FT. POD
Coordinates: N 2,120,104.90; E 6,038,484.82
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type		
		10/12			0				ASPHALT AND BASEROCK
		20/36			1			SC	PALE OLIVE CLAYEY SAND (5Y 6/3), damp, fine to coarse sand, some angular gravel, (5% gravel, 80% sand, 15% fines)
MFC-39-1.5-2.0	1.0			S	2			SC	DARK GREENISH GRAY CLAYEY SAND (GLEY 1 4/1), damp, dense, fine to medium sand, brick fragments, cinders, (5,65,30), [FILL]
		0/36			3				
					4				
					5				
					6				
		25/36			7				
	1.2				8			SP	OLIVE BROWN SAND (2.5Y 4/4), wet, medium dense, fine to medium sand, poorly graded (0,95,5)
					9				
					10				

DRILLING NOTES:
1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was not encountered during drilling.

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Figure **A39**

Boring: MFC-40

Surface Elev. 14.84 FT. POD
Coordinates: N 2,120,080.30; E 6,038,350.07
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		12/12			0			ASPHALT
							SM	DARK YELLOW SILTY SAND (10YR 4/6), damp, medium dense, fines to coarse sand (10% gravel, 60% sand, 30% fines) [FILL]
		28/36			1			
MFC-40-1.5-2.0				S	2		SM	VERY DARK GRAY SILTY SAND (10YR 3/1), damp, medium dense, wood and brick fragments, (10,65,25) [DEGRADED ASPHALT PAVEMENT]
MFC-40-2.0-3.5				S	3		SP	OLIVE GRAY SAND (5Y 5/2), damp, very loose, poorly graded, (0,95,5)
		27/36			4			
MFC-40-4.5-5.0				S	5			
MFC-40-4.5-5.0 DUP				S				
					6			
		27/36			7			
					8			shell fragments present
					9			
					10			

DRILLING NOTES:
1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 6.0 feet bgs during drilling.

0120IB-MFC-40.DWG

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Figure **A40**

Boring: MFC-41

Surface Elev. 15.59 FT. POD
Coordinates: N 2,120,024.11; E 6,038,378.43
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		8/12			0			ASPHALT
							SC	STRONG BROWN CLAYEY SAND (7.5YR 5/8), damp, dense, rust-staining, (15% gravel, 60% sand, 25% fines)[FILL]
		23/36			1			
MFC-41-1.5-2.0				S	2			
							GW	DARK YELLOWISH BROWN SANDY GRAVEL (10YR 4/4), dry to damp, medium dense, fines to angular fine gravel, well graded, (50,40,10), [FILL]
MFC-41-2.5-3.0	0.0			S	3			
					4			
MFC-41-4.0-4.5	0.0	11/36		S				
MFC-41-4.0-4.5 DUP				S	5			
					6			
		27/36			7		SP	OLIVE GRAY SAND (5Y 5/2), wet, very loose, fine to medium sand, shell fragments, (0,95,5)
	0.0				8			occasional clay balls
					9			
					10			

012018-MFC-41.DWG

DRILLING NOTES:
1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 6.25 feet bgs during drilling.

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Figure **A41**

Boring: MFC-42

Surface Elev. 15.75 FT. POD
Coordinates: N 2,120,012.05; E 6,038,455.82
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		10/12			0			ASPHALT
							SM	PALE OLIVE SILTY SAND (6Y 6/3), damp, dense, fine to coarse sand, some angular gravel, (5,80,15), [FILL]
		18/18			1			
							SC	DARK GREENISH GRAY CLAYEY SAND (GLEY 1 4/1), damp, dense, fine to medium sand, degraded asphalt and plywood, (0,80,20), [FILL]
					2			OBSTRUCTION
					3			

DRILLING NOTES:

1. Boring terminated at 2.5 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was not encountered during drilling.

01201B-MFC-42.DWG

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Figure
A42

Boring: MFC–43

Surface Elev. 14.26 FT. POD
Coordinates: N 2,120,006.03; E 6,038,534.58
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP XD–1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		12/12			0			ASPHALT AND BASEROCK
		20/36			1			
MFC–43–1.5–2.0				S	2		SM	GREENISH BLACK SILTY SAND (10Y 2.5/1), damp, dense, coarse angular gravel, brick and shell fragments, wood debris (15% gravel, 65% sand, 20% fines) [FILL]
					3			
		18/36			4		SP	GREENISH GRAY SAND (10Y 5/1), damp, medium dense, some black, friable cinders (0,95,5) [FILL]
MFC–43–4.5–5.0				S	5			▼
					6			
					7			

01201B–MFC–43.DWG

DRILLING NOTES:

1. Boring terminated at 7.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 5.5 feet bgs during drilling.

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Figure **A43**

Boring: MFC-44

Surface Elev. 15.65 FT. POD
Coordinates: N 2,119,961.88; E 6,038,381.37
Drill Date: Start 3/26/02 Finish 3/26/02

Drill Method: MC/DP XD-1
Driller: PSI / Jose
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		10/12			0			ASPHALT AND BASEROCK
		22/36			1			
MFC-44-1.5-2.0	26.0			S	2			degraded asphalt pavement debris
	70.1				3		SW	STRONG BROWN GRAVELLY SAND (7.5YR 5/8), damp, dense, fine to coarse sand, angular gravel, rust-staining (30% gravel, 55% sand, 15% fines). [FILL]
		15/36			4			
MFC-44-4.5-5.0	34.2			S				
MFC-44-4.5-5.0 DUP				S	5		SP	OLIVE GRAY SAND (5Y 3/2), damp to wet, very loose, fine to medium, sand, poorly graded, shell fragments, ▼(0,95,5)
					6			
					7			
					8			
					9			
					10			

DRILLING NOTES:

1. Boring terminated at 10.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was not encountered during drilling.

01201B-MFC-44.DWG

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Figure
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Boring: MFC-45

Surface Elev. 15.68 FT. POD
Coordinates: N 2,119,935.71; E 6,038,417.39
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
		12/12			0			ASPHALT AND BASEROCK
		15/36			1		SM	PALE OLIVE SILTY SAND (5Y 6/3), damp, medium density, fines to coarse sand, poorly to moderately graded, (0% gravel, 90% sand, 10% fines), [FILL]
MFC-45-1.5-2.0				S	2			ASPHALT AND BASEROCK (?) Debris
					3			
		21/36			4		GW	DARK YELLOWISH BROWN SANDY GRAVEL (10YR 4/4), dry to damp, medium dense, fines to angular fine gravel, well graded, (50% gravel, 40% sand, 10% fines)
MFC-45-5.0-5.5				S	5		SP	OLIVE GRAY SAND (5Y 5/2), damp to wet, very loose, fines to medium sand, poorly graded, (0,95,5)
					6			
		20/36			7			
					8			
					9			
					10			

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Figure
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Boring: MFC-45

Surface Elev. 15.68 FT. POD
Coordinates: N 2,119,935.71; E 6,038,417.39
Drill Date: Start 3/28/02 Finish 3/28/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered/ Inches Driven	Drive Interval	Sample Collected Depth (ft)	Sample Recovery	Soil Type	
		24/36		10			
				11		CH	OLIVE GRAY CLAY (5Y 5/2), wet, very soft, high dry strength, high plasticity, some organic staining, (trace sand, 95% fines)
				12			
				13			

DRILLING NOTES:

1. Boring terminated at 13.0 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 6.0 feet bgs during drilling.

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Boring: MFC-46

Surface Elev. 19.87 FT. POD
Coordinates: N 2,120,130.15; E 6,038,455.85
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez

Sample ID	PID/FID (ppm)	Inches Recovered / Inches Driven	Drive Interval	Sample Collected	Depth (ft)	Sample Recovery	Soil Type	
					0			CONCRETE
	13.0	29/36			1		SM	DARK YELLOWISH BROWN SILTY SAND (10YR 4/4), damp, medium dense, fine to coarse sand, iron-oxide staining (0% gravel, 65% sand, 35% fines)
	0.0				2			
					3			
		20/36						
MFC-46-4.0-4.5	0.0			S	4		SC	DARK GREENISH GRAY CLAYEY SAND (10GY 4/1), damp, dense, fine to medium sand, shell fragments (0,85,15) [FILL?]
					5			
					6			
		14/36						
MFC-46-7.0-7.5				S	7			occasional sandy clay lenses (0,20,80)
MFC-46-7.0-7.5 DUP				S				
					8			
					9			
		28/36			10			

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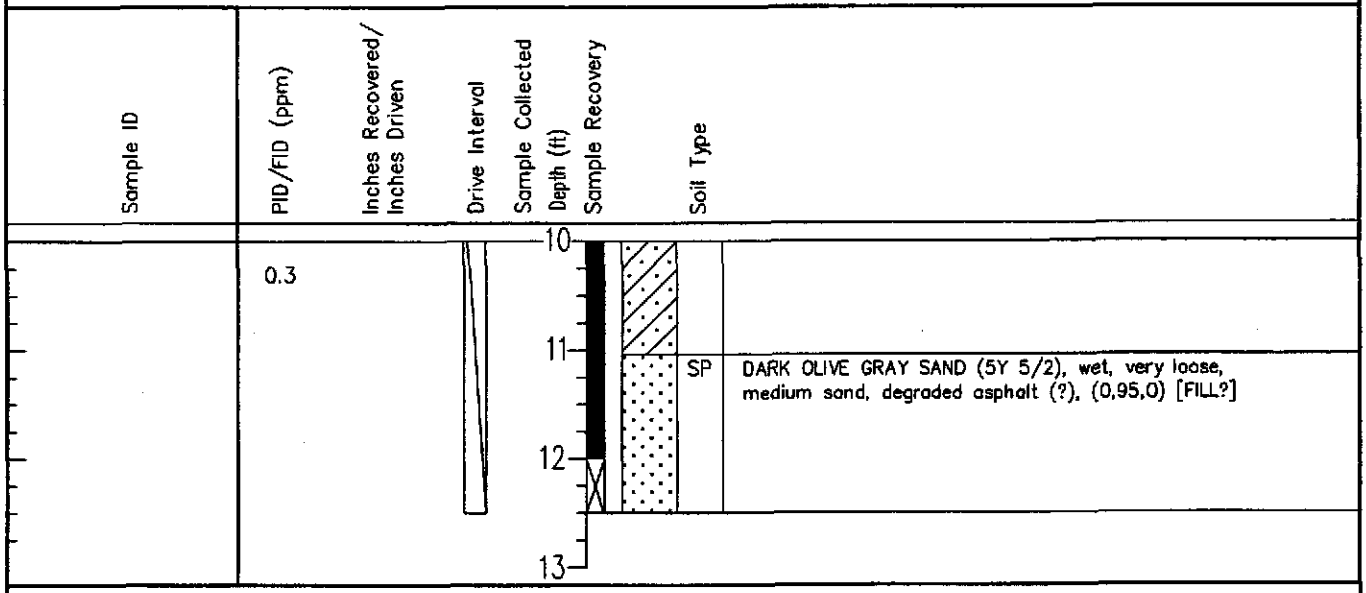
Figure
A46

Boring: MFC-46

Surface Elev. 19.87 FT. POD
Coordinates: N 2,120,130.15; E 6,038,455.85
Drill Date: Start 3/27/02 Finish 3/27/02

Drill Method: MC/DP SD-1
Driller: PSI / Valentin & Marcos
Logged by M. Montag
Reviewed by C. Alger / R. Ramirez



DRILLING NOTES:

1. Boring terminated at 12.5 feet bgs.
2. Field estimates of percent gravel, sand and fines are shown in parentheses.
3. Boring log indicates subsurface conditions only at the location and time the boring was drilled.
4. Boring backfilled with bentonite grout to surface.
5. Groundwater was encountered at 9.75 feet bgs during drilling.

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