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McLaren Hart®
ENVIRONMENTAL ENGINEERING CORPORATION

DRAFT

February 2, 1996

Tom Walker, P.E.
Mobil Exploration & Producing U.S. Inc.
10735 South Shoemaker Avenue
Santa Fe Springs, CA 90670

RE: DRAFT ADDITIONAL SOIL SAMPLING AT MOBIL JALK FEE PROPERTY, 10607 NORWALK BLVD., SANTA FE SPRINGS, CALIFORNIA (03.061414.001.001)

Dear Mr. Walker:

Enclosed for your review, please find a draft copy of the report entitled *Additional Soil Sampling at Mobil Jalk Fee Property, 10607 Norwalk Blvd., Santa Fe Springs, California.* This report is currently being reviewed by Hassan Amini, principal in charge of this project.

Please review and forward any comments to Tabb Bubier at (714) 752-3204 or Everett Ferguson at (714) 752-3213.

Sincerely,

Tabb W. Bubier
Supervising Geoscientist

Everett Ferguson Jr.
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Prepared by:

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February 2, 1996

ADDITIONAL SOIL SAMPLING AT MOBIL JALK FEE PROPERTY 10607 NORWALK BOULEVARD SANTA FE SPRINGS, CALIFORNIA (03.0601414.001.001)

Draft

Additional Soil Sampling

McLaren/Hart Project No. 03.0601414.001.001

Mobil Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

February 2, 1996

Prepared for: Tom M. Walker, P.E.
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1.0 INTRODUCTION

McLaren/Hart Environmental Engineering (McLaren/Hart) performed additional soil sampling activities at the Mobil Exploration and Producing U.S. (Mobil) Jalk Fee Property located at 10607 Norwalk Boulevard, Santa Fe Springs, California (Figure 1). The work was performed between December 18 and 29, 1995, in accordance with the workplans entitled *Proposal to Conduct Additional Sampling for Mobil Jalk Fee Property, 10607 Norwalk Blvd., Santa Fe Springs, California (IR95-0688)* dated December 12, 1995 and *Change Order for Mobil Jalk Fee Property, 10607 Norwalk Blvd., Santa Fe Springs, California* dated December 19, 1995.

The investigation consisted of advancing 17 Geoprobes, 20 hand augers, and 2 soil borings (drilled by hollow stem auger) to obtain and analyze soil samples and advancing 9 soil probes to analyze soil gas concentrations. The general objective of the additional soil sampling activities was to characterize the presence and/or distribution of volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), aromatic volatile organic compounds (BTEX), and/or halogenated volatile organic compounds (HVOCs).

1.1 INVESTIGATION OBJECTIVES

The additional sampling activities were divided into three tasks. These tasks and the associated objectives are presented below.

Task 1 - Oil Production Well and Tank Battery

- Determine the presence of TPH along the north, south, and east perimeters of the tank battery.

Task 2 - Bioremediation Cell Closure Sampling

- Verify that remediation activities did not impact the native soil beneath the former bioremediation cells.

Task 3 - Northwest Perimeter, Northeast Perimeter, Area Adjacent to Continental Heat Treating, Inc.(Tetrachloroethene Impacted Area), and Area of Former Trucking Company

- Assess the presence of VOCs and TPH near borings SS-1, -3, -4, and -7 and adjacent to the equipment repair/storage yards.

- Further define/verify the lateral and vertical extent of the tetrachloroethene (PCE) plume. (Area adjacent to Continental Heat Treating, Inc.)

- Determine if former trucking operation activities impacted the subsurface in the central portion of the site. (Area of Former Trucking Company)

The Mobil Jalk Fee Property site layout, with the areas of Tasks 1, 2, and 3 identified, is presented in Figure 2.

1.2 SITE HISTORY AND DESCRIPTION

During the early 1900's, oil was discovered near the subject site, and shortly after, the area became an active oil field. The subject site consists of 8.8 acres of undeveloped land located in the southwest portion of the oil field. In the past 20 years, some industrial and commercial development has occurred on the periphery of the oil field and has entirely surrounded the subject site. Currently, the site contains four active oil wells and a small tank battery.

1.3 PREVIOUS WORK

Prior to McLaren/Hart, Levine-Fricke generated the following reports on the Jalk Fee property:

- *Draft Subsurface Soil Investigation Jalk Fee Property, 10607 Norwalk Boulevard, Santa Fe Springs, California* dated December 6, 1991

- *Draft Remedial Action Plan Jalk Fee Property, 10607 Norwalk Boulevard, Santa Fe Springs, California* dated December 18, 1991

According to Levine-Fricke (1991a), the Jalk Fee property has been used for oil production from the 1920s to the present. The current tenant, Hathaway Company, has conducted oil production activities at the site from the early 1980s to the present (Levine-Fricke, 1991b).

Most of the Jalk Fee property is undeveloped land with four active oil wells and a small tank battery. The tank battery is in the northwest corner of the site and contains six above ground tanks. Three of the active oil wells are near the northern property boundary and one well is near the southern boundary. According to Levine-Fricke (1991b), five oil wells have been abandoned on the property and approximately eight former sumps (i.e., mud pits) associated with oil drilling and production have been observed in historic aerial photographs.

According to Levine-Fricke (1991b), a small oil refuse area where metal objects were deposited (referred to as the boneyard area) was located in the southwest portion of the property from approximately 1920 until 1942. An aboveground storage tank farm was formerly located in the southeast portion of the property in the late 1920s and early 1930s (Levine-Fricke, 1991b).

According to Levine-Fricke (1991b), Woodward-Clyde Consultants (WCC) completed a subsurface investigation at the Jalk Fee property in August, 1988. The investigation included a geophysical survey, surface soil sampling, and a soil boring and sampling program. The study was cancelled by a party other than Mobil prior to completion and only a "partial report" was prepared by WCC. The results were summarized in WCC's report dated September 14, 1988 entitled "Preliminary Investigation Report". WCC reportedly detected what were believed to be solvent odors and vapor discharge from borings in the eastern section of the property.

According to Levine-Fricke (1991a), during discussions with Mobil it was reported "that the eastern portion of the site was leased at one time to a company that used solvents along that

portion of the site." Recent investigations by Mr. Tom Walker, of Mobil, has revealed that the aforementioned leased property was located in the northeast portion of the property. The southern boundary of the leased property was approximately 70 feet north of the Tetrachloroethene (PCE) Impacted Area (which is adjacent to the southern boundary of the Jalk Fee property). Additionally, per Mr. Walker, the source of Levine-Fricke's information regarding the eastern portion of the site was not from a Mobil representative but rather originated from the current operator (Mr. "Doc" Hathaway) of the Jalk Fee oil wells.

Levine-Fricke (1991b) conducted subsurface investigations at the Jalk Fee property between November 1990 and September 1991. The field investigations included a shallow methane gas survey, the excavation of shallow trenches in the former boneyard and eight former sump areas, and 27 shallow soil borings to depths ranging from 20 to 55 feet below grade. The selection of the trench and soil boring locations were based on information presented in the partial report prepared by WCC, discussions with Mobil personnel familiar with the site, and review of historical aerial photographs. The results from the investigation were presented in Levine-Fricke's (1991a) December 6, 1991, report and briefly summarized in Levine-Fricke's (1991b) December 18, 1991 report.

The results from Levine-Fricke's (1991a) subsurface investigation indicated that only 10 of the 21 areas investigated had chemicals in soil. The southeast portion of the Jalk Fee property contained up to 2,500 ppm tetrachloroethylene (PCE) and other chlorinated compounds. Petroleum hydrocarbons (C5-C30) up to 29,000 ppm were also detected, using EPA Method 8015 Modified, in soil at this location. Based on the analytical results from soil samples collected from soil boring SB-3, Levine-Fricke (1991a) estimated that PCE-affected soil extends vertically from ground surface to approximately 20 feet below ground surface at this location (Levine-Fricke, 1991a). PCE was also detected in one surface sample obtained along the northern property boundary in the western portion of the site (near SB-17) at a concentration of 0.037 ppm.

Additionally, in a further attempt to identify possible sources of PCE and related compounds at the Jalk Fee site, McLaren/Hart reviewed the files of the southern neighboring property (Continental Heat Treating, Inc.) at the Environmental Compliance Section of the City of Santa Fe Springs. The results of this work are detailed in McLaren/Hart's September 23, 1993 letter entitled "Perchlorethylene (PCE) and Heavy Metals in Soil at the Jalk Lease". In

summary, the file contained information indicating that the neighboring facility used PCE. An average volume of 125 gallons and a maximum volume of 250 gallons of PCE were stored per day at the Continental Heat Treating, Inc. facility (February 15, 1993 Hazardous Material Registration Forms).

McLaren/Hart performed a subsurface investigation in the PCE Impacted Area. Results of this investigation are presented in a McLaren/Hart report entitled, "Limited Subsurface Investigation of Tetrachloroethylene (PCE) Impacted Soil at Mobil Jalk Fee Property, Santa Fe Springs, California", dated November 15, 1994. The results of the investigation indicated the following:

- Since the impacted soil containing the highest halogenated volatile organic compound (HVOC) concentrations are confined to depths shallower than 20 feet, the source of the contamination probably resulted from surface spillage.

- Since normal crude oil production does not involve the use of PCE, it appears that the PCE originated from a non-oil production source.

- Vertical extent of the impacted soil below 30 foot depth has not been defined; PCE was detected in GP-15 at 48 feet (0.31 ppm) and appears to have impacted groundwater in nearby monitoring well MMW-5 at 2,100 ppb (May 31, 1995).

- The source of PCE in the soil along the southern property boundary does not appear to be related to the operations conducted by Mobil on the property. It is probable that the source of PCE is from an off-site source.

- Oil production activities on site has impacted the soils with TRPH compounds near the concrete pad.

- Vertical and lateral extent of the TPH impacted soil has been defined as two small surface areas and one small subsurface area at 15 feet below ground surface.

1.4 HYDROGEOLOGIC SETTING

The Santa Fe Springs Oil Field is located on the Santa Fe Springs plain, which is part of the Montebello Forebay non-pressure area of the Central Basin. Groundwater is found throughout the region under unconfined conditions in the Recent Alluvium and in the underlying Exposition Aquifer. Numerous other aquifers are also present in the area, and are under confined to semi-confined conditions: the Gage, Hollydale, Jefferson, Lynwood, Silverado, and Sunnyside Aquifers. Within the Santa Fe Springs Oil Field, the upper 100 feet of sediments consist predominantly of permeable sands, although the upper 15 feet of sediments have a higher silt and clay content and lower permeability. According to geologic cross-sections presented in California Department of Water Resources (CDWR) Bulletin 104 (1988), the first regional groundwater-bearing zone is the Exposition Aquifer, which is first encountered at approximately 60 feet below grade. The second regional aquifer is the Gage Aquifer, first encountered at approximately 110 feet below ground surface, according to geologic cross-sections presented in CDWR (1988).

The depth to first groundwater in the area of the oil field has generally been reported at approximately 60 feet below grade, although localized perched zones have been encountered as shallow as 13 feet below grade. Information from the Los Angeles County Department of Public Works (LACDPW)-Hydrologic Records section indicates that the depth to water at well number 1625-N (located at the intersection of Telegraph Road and the Southern Pacific Railroad tracks approximately two-thirds of a mile northwest of the Jalk Fee property) was 58 feet below grade on April 30, 1992. The occurrences of groundwater at approximately 60 feet below grade correspond to the top of the saturated portion of the Exposition Aquifer. The regional, horizontal groundwater flow direction in both the Exposition and Gage Aquifers in the Santa Fe Springs Oil Field ranges from the south to southwest.

Although most of the aquifers in the area are separated by aquicludes, the Hollydale and Gage are hydraulically connected approximately 2,000 feet north of the intersection of Telegraph Road and Norwalk Boulevard. Approximately 7,200 feet north of the intersection of Telegraph Road and Norwalk Boulevard, the Hollydale, Jefferson, and Lynwood are also hydraulically connected. There are domestic and commercial water wells screened in the Lynwood and Silverado (250 to 780 feet below grade) throughout the city.

Significant hydrologic features in the area include the San Gabriel River, which flows approximately north-south along the western edge of the city. There are also two extensive water spreading grounds/percolation basins approximately 1 to 2.5 miles northwest of the city limits. These features will act as groundwater recharge, or "mounding" areas, thus inducing groundwater to flow away from them.

Soil at the site consists of interbedded sand, silty sand, sandy silt, silt , and clayey silt in the upper 40 feet. Sandy soils are loose to dense and silty soils are slightly stiff to hard. A very tight, dry, silt is located approximately 15 below grade and two very tight, dry, clayey silt layers are located at 23 and 29 feet below grade. These layers exist throughout most of the investigated area. Perched groundwater was found at 5 to 10 feet below grade in small quantities near the concrete pad.

2.0 FIELD INVESTIGATION

2.1 PRE-FIELD INVESTIGATION

Prior to starting the field activities, an existing health and safety plan was modified to include the work that was to be performed at the site. All soil boring locations were identified and a utility clearance was performed by a McLaren/Hart Engineer. Underground Service Alert was notified 48 hours prior to starting work as required by State law. Additional pre-field activities included the scheduling and contracting of subcontractors, preparing field equipment, and marking the soil boring locations.

All soil samples were collected in accordance with McLaren/Hart's standard protocols for sampling soil using a hand auger, Geoprobe, and hollow-stem auger drill rig (Appendix A). All samples collected were sent to MBT Environmental Laboratory, a State-certified hazardous waste testing laboratory. All soil cuttings and decontamination water generated during the drilling activities were placed in DOT approved 55-gallon drums and stored on-site pending analytical results.

2.2 FIELD INVESTIGATION

McLaren/Hart's additional soil sampling investigation consisted of advancing a total of 17 Geoprobes, 20 hand augers, 2 soil borings (drilled by hollow stem auger), and 9 soil gas probes. The field investigation was performed between December 18 and 29, 1995. A summary of the proposed scope of work, for the soil sampling activities, is included in Table 1. The following sections describe the approach and methods used to complete this investigation.

2.2.1 Task 1 - Oil Production Well and Tank Battery

McLaren/Hart's proposed scope of work for the Task 1 included advancing one Geoprobe boring (MH-4) in the vicinity of Oil Well #112 and along the eastern perimeter of the Tank Battery. The location of Oil Well #112 is shown on Figure 2. Soil samples were collected from depths of 5 and 10 feet below ground surface (bgs) and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and total petroleum hydrocarbons (TPH) using EPA Methods 8020 and 8015 Modified, respectively. Soil samples were also collected from depths of 20, 30, and 40 feet bgs and analyzed for volatile organic compounds (VOCs) using EPA Method 8240. These analyses were performed to further evaluate the presence of VOCs at depth in the area. Collection and analysis of these soil samples from MH-3 would have been preferable since MH-3 is closer to the VOCs detected by Levine-Fricke in 1991. However, due to subsurface obstructions, refusal was encountered in MH-3 at 2 feet below ground surface (bgs). Soil boring logs, for borings greater than 20 feet bgs, are included in Appendix B.

In addition, three Geoprobe borings (MH-2, -5, and -6) were advanced along the northern and southern perimeters of the Tank Battery. The location of the Tank Battery is shown on Figure 2. In MH-2, soil samples were collected from depths of 5 and 10 feet below ground surface (bgs) and analyzed for TPH and VOCs using EPA Methods 8015 Modified and 8240, respectively. BTEX compounds could have been analyzed using EPA Method 8020; however, EPA Method 8240 was selected since it provided information on both BTEX and solvent compounds (such as those identified by Levine-Fricke in 1991). In MH-5 and -6, soil samples were collected from depths of 5 and 10 feet below ground surface (bgs) and analyzed for BTEX and TPH using EPA Methods 8020 and 8015 Modified, respectively.

2.2.2 Task 2 - Bioremediation Cell Closure Sampling

McLaren/Hart's proposed scope of work for the Task 2 included advancing twenty hand auger borings at the former Bioremediation Cells #1 and #2 (13 soil samples from Cell #1 [see Figure 3] and 7 soil samples from Cell #2 [see Figure 4]). Soil samples were collected from a depth of 0.5 feet below ground surface (bgs) and analyzed for BTEX and TPH using EPA Methods 8020 and 8015 Modified, respectively.

2.2.3 Task 3 - Northwest Perimeter, Northeast Perimeter, PCE Impacted Area, and Former Trucking Operations Area

Northwest and Northeast Perimeters - This work involved advancing three Geoprobe borings (MH-7, -8, and -9), along the Northwest Perimeter of the property; and advancing two Geoprobe borings (MH-10 and -11) along the Northeast Perimeter of the property (see Figure 2). In MH-7, soil samples were collected from a depth of 5 and 10 feet bgs. Soil samples were collected a 1 and 5 feet bgs in borings MH-8 and MH-9. In MH-10 and MH-11, soil samples were collected from a depth of 1, 5, and 10 feet bgs. Soil samples collected along the Northwest and Northeast Perimeters were analyzed for TPH and VOCs using EPA Methods 8015 Modified and 8240, respectively.

PCE Impacted Area - McLaren/Hart advanced six Geoprobe borings (GP-19 through -24) to a depth of 40 feet bgs outside the suspected fringe of the HVOC plume. The location of the PCE Impacted Area is shown on Figure 2. Soil samples were collected at five foot intervals and analyzed for halogenated volatile organic compounds (HVOCs) using EPA Method 8010. McLaren/Hart also advanced two soil borings (MB-1 and MB-2) to 60 feet bgs in the areas with the highest recorded concentrations of PCE. These borings were advanced to assess the vertical extent of the HVOC plume. Soil samples, in these borings, were collected at five foot intervals beginning at 25 feet bgs and analyzed for HVOCs using EPA Method 8010. Additionally, a continuous "Macro" sample was collected, using the Geoprobe, in the central portion of the PCE Impacted area. The sample was collected in transparent acetate liners and was used to log, in detail, the soil conditions in this area to a depth of 42 feet bgs. The macro sample was capped and archived for future reference. The macro sample showed interbedded sand, silty sand, sandy silt, silt , and clayey silt in the upper 40 feet. Sandy soils varied from loose to dense and silty soils varied from slightly stiff to hard. This type lithologic stratification lends to solvent compounds behaving erratically in the subsurface (i.e. varying directions and extent based on preferential flow paths). Six silt layers were observed in the Macro sample. One silt layer was identified from 15.5 to 16 feet bgs, two clayey silt layers were identified from 23 to 24 and 29 to 30 feet bgs, and three successive silt layers were identified from 30 to 33, 33 to 34.5, and 34.5 to 37 feet bgs. Soil boring logs, for borings greater than 20 feet bgs, are included in Appendix B.

Former Trucking Operations Area - An aerial photograph review of the Jalk Fee Property was performed to locate any historic activities (on-site or immediately off-site) which may be considered potential areas of concern. The results of the aerial photograph review are summarized in a letter report included as Appendix C. One of the primary purposes of the aerial photograph review was verify the location of the Former Trucking Operations on the Jalk Fee Property. The location of the Former Trucking Operations are shown on Figure 2 (the area of Task 3 in the central portion of the property). Based on the information gathered from the aerial photograph review, nine soil gas probe locations were placed in a 3 by 3 grid with 50 foot spacing in the area identified (from the aerial photograph review) as the location of the Former Trucking Operations. McLaren/Hart advanced nine soil gas probes to depths of 5 and 10 feet bgs. Soil gas samples were collected at each interval and analyzed on-site for HVOCs using EPA Method 8010.

3.0 RESULTS

3.1 TASK 1 - OIL PRODUCTION WELL AND TANK BATTERY

Petroleum hydrocarbons in the C22-C32 (Motor Oil) range were detected at a concentration of 13 parts per million (ppm) in MH-2 at 10 feet bgs. No other compounds were detected in this area. Analytical results for the additional soil sampling activities for Task 1 are summarized in Table 2 and Figure 5. Chain-of-Custody forms and laboratory data sheets are included in Appendix D.

3.2 TASK 2 - BIOREMEDIATION CELL CLOSURE SAMPLING

Petroleum hydrocarbons in the C12-C22 (Diesel Fuel) range were detected at a concentration of 23 ppm in soil sample Cell 40 (Cell #1, Figure 3). Petroleum hydrocarbons in the C22-C32 (Motor Oil) range were detected at concentrations ranging from 55 to 700 ppm in soil samples collected from Cell #1 (Figure 3) and ranging from 11 to 4,600 ppm in soil samples collected from Cell #2. No other compounds were detected in this area. Analytical results for the additional soil sampling activities for Task 2 are summarized in Table 3. Chain-of-Custody forms and laboratory data sheets are included in Appendix D.

3.3 TASK 3 - NORTHWEST PERIMETER, NORTHEAST PERIMETER, PCE IMPACTED AREA, AND FORMER TRUCKING OPERATIONS AREA

Petroleum hydrocarbons in the C22-C32 (Motor Oil) range were detected at concentrations ranging from 85 to 1,600 ppm in soil samples collected along the Northwest and Northeast Perimeters. No other compounds were detected in this area. Analytical results for the additional soil sampling activities for Northwest and Northeast Perimeter are summarized in

Table 4 and Figures 5 and 6. Chain-of-Custody forms and laboratory data sheets are included in Appendix D.

Halogenated volatile organic compounds (HVOCs) were detected in the samples collected in the PCE Impacted Area. *cis*-1,2-Dichloroethene (*cis*-1,2-DCE) was detected in several locations at concentrations ranging from 10 to 970 parts per billion (ppb). *trans*-1,2-Dichloroethene (*trans*-1,2-DCE) was detected in GP-23 at 5 feet bgs and GP-24 at 15 feet bgs at concentrations of 12 and 160 ppb, respectively. Trichloroethene (TCE) was detected in several locations at concentrations ranging from 10 to 180 parts per billion (ppb). PCE was detected in several locations at concentrations ranging from 10 to 4,100 parts per billion (ppb). Analytical results for the additional soil sampling activities for the PCE Impacted Area are summarized in Table 5. Figures 7 through 14 illustrate the potential extent of the HVOC plume at the five foot intervals, respectively. Chain-of-Custody forms and laboratory data sheets are included in Appendix D.

Halogenated volatile organic compounds (HVOCs) were detected in the samples collected in the area of the Former Trucking Operations. PCE was detected in SG-4 at 10 feet bgs and SG-8 at 5 feet bgs at concentrations of 3 and 1 ppb, respectively. Analytical results for the additional soil sampling activities for the Former Trucking Operations area are summarized in Table 6 and Figure 15. Chain-of-Custody forms and laboratory data sheets are included in Appendix D.

4.0 CONCLUSIONS AND RECOMMENDATIONS

For the purpose of this evaluation, McLaren/Hart used 1) Regional Water Quality Control Board's "Interim Guidance Cleanup Criteria" Level B (based on depth to groundwater) for petroleum hydrocarbons and associated VOCs and 2) for components not contained in the guidance document, McLaren/Hart used 10 times the MCL (based on Marshack, 1995) as the screening criteria for soil. Based on similar projects these soil screening criterion have been considered acceptable.

4.1 TASK 1 - OIL PRODUCTION WELL AND TANK BATTERY

No petroleum hydrocarbons were detected above the Region Water Quality Control Board's (RWQCB) "Interim Guidance Cleanup Criteria". Based on the results of this investigation and the review of previous investigations, it is McLaren/Hart's opinion that no further remedial investigation are required around the perimeter of the Tank Battery or Oil Production Well.

4.2 TASK 2 - BIOREMEDIATION CELL CLOSURE SAMPLING

No petroleum hydrocarbons were detected above the RWQCBs "Interim Guidance Cleanup Criteria". No BTEX compounds were detected in this area. Based on the results of this investigation and the review of previous investigations, it is McLaren/Hart's opinion that bioremediation activities did not impact the surface soil beneath the bioremediation cells.

4.3 TASK 3 - NORTHWEST PERIMETER, NORTHEAST PERIMETER, PCE IMPACTED AREA, AND FORMER TRUCKING OPERATIONS AREA

Northwest and Northeast Perimeters - No petroleum hydrocarbons were detected along the Northwest and Northeast Perimeter above the RWQCBs "Interim Guidance Cleanup Criteria".

No VOCs were detected in this area. Based on the results of this investigation and the review of previous investigations, it is McLaren/Hart's opinion that no further remedial investigation are required for along the Northwest Perimeter. Based on the information gather by Levine-Fricke along the Northeast Perimeter, McLaren/Hart collected verification samples to determine the extent of the TPH impacted soil. However, the data collected by Levine-Fricke was not reproducible. Based on the results of this investigation and the review of previous investigations, it is McLaren/Hart's opinion that no further remedial investigation are required for along the Northeast Perimeter.

PCE Impacted Area - The halogenated volatile organic compounds *cis*-1,2-DCE, *trans*-1,2-DCE, TCE, and PCE were detected in the vicinity of the HVOC plume. Hence, the plume appears to be of greater lateral and vertical extent than original estimated. Based on the Macro sample and the distribution of the HVOC plume, a correlation can be made between the finer grained soil material and the lateral distribution the HVOC plume. The plume has the greatest lateral distribution in the finer grained soils (silts) and has smallest distribution in the coarser grained soils (sands). Based on the behavior of PCE (and other dense non-aqueous phase liquids [DNAPLs]) in heterogeneous soils; such as that which exists in this area, no further subsurface investigations in this area are recommended. However, it is McLaren/Hart's opinion that remedial activities be evaluated for the PCE Impacted Area.

Former Trucking Operations Area - The halogenated volatile organic compound PCE vapors were detected at low concentrations in the soil in the vicinity of the Former Trucking Operations area. These results indicated that the subsurface appears not to have been impacted by the former operations in this area. Hence, it is McLaren/Hart's opinion that no further remedial investigation activities are required for this area.

5.0 REFERENCES

California Department of Water Resources. 1988. Planned Utilization of the Groundwater Basins of the Coastal Plain of Los Angeles County, Bulletin 104, Appendix A: Ground Water Geology, 181 pp.

Levine-Fricke. 1991a. Draft Subsurface Soil Investigation, Jalk Fee Property, 10607 Norwalk Boulevard, Santa Fe Springs, California. Unpublished report dated December 6, 1991.

Levine-Fricke. 1991b. Draft Remedial Action Plan, Jalk Fee Property, 10607 Norwalk Boulevard, Santa Fe Springs, California. Unpublished report dated December 18, 1991.

McLaren/Hart. 1994. Limited Subsurface Investigation of Tetrachloroethylene (PCE) Impacted Soil at Mobil Jalk Fee Property, Santa Fe Springs, California. Unpublished report dated November 15, 1994.

Tables

Table 1
Summary of Proposed Additional Soil Sampling

Mobil Jalk Fee Property, Santa Fe Springs, California

Area of Interest	Chemicals of Interest	Justification	Investigation Approach	Number of Sampling Points	Approximate Sample Depths (ft)	Analysis
Task 1 Oil Production Well #112	VOC	The purpose of the additional investigation would be verify the presence of the compounds only. Determination of lateral and vertical extent is not included in this scope of work.	GeoProbe	1	5, 10, 20, 30, 40	8240[1] (MH-3 or -4)
Task 1 Tank Battery	TPH	Determine the presence of TPH compounds along the north, south, and east perimeter of the tank battery.	GeoProbe	5	5, 10, 15 - vertical depths (analyze up to two samples per boring)	8015[2] Modified 8020 (MH-4, -5, and -6) 8240 (MH-2 and -3)
Task 2 Collection of Closure Soil Samples	TPH VOC	1) To document remediation activities did not impact the native soil underlying the treatment cell.	Hand Auger	20	1	8015 Modified 8020
Task 3 Northwest Perimeter	VOC	Purpose of these borings are to assess the presence of TPH and VOC near locations SS-1, SS-3, and along fenceline next to the equipment repair yard.	GeoProbe	3	1, 5, 10, 15 (analyze up to two samples per boring)	8015 Modified 8240
Task 3 Northeast Perimeter	VOC TPH	Assess the vertical extent of impacted soil near locations SS-4 and SS-7.	GeoProbe	2	1, 5, 10, 15, 20, 25 (analyze up to three samples per boring)	8015 Modified 8240

1 EPA Method 8240
2 EPA Method 8015Modified (full carbon chain)
3 EPA Method 8010

Table 1
Summary of Proposed Additional Soil Sampling

Mobil Jalk Fee Property, Santa Fe Springs, California

Area of Interest	Chemicals of Interest	Justification	Investigation Approach	Number of Sampling Points	Approximate Sample Depths (ft)	Analysis
Task 3 PCE Impacted Area next to Continental Heat Treating, Inc.	VOC	To further define verify the lateral and vertical extent of PCE plume onto the site.	GeoProbe Auger	6 2	GeoProbe=5, 10, 15, 20, 25, 30, 35, 40 Auger=25, 30, 35, 40, 45, 50, 55, 60	8010[3]
Task 3 Various Areas of Concern for VOCs	VOC	To verify historic site activities (trucking operation) did not impact the soil in the central portion of the eastern half of the site.	Soil Gas Survey GeoProbe (if necessary)	9 up to 3	Soil Gas = 5, 10 GeoProbe = to be determined	8010

1 EPA Method 8240
2 EPA Method 8015Modified (full carbon chain)
3 EPA Method 8010

Table 2
Soil Sample Analytical Results for Oil Production Well and Tank Battery (Task 1)

Mobil Jalk Fee Property, Santa Fe Springs, California

Soil Boring Identification	Depth (feet)	Date Sampled	EPA Method 8020 (parts per billion, ppb)						EPA Method 8015 Modified (parts per million, ppm)				EPA Method 8240 (ppb)	EPA Method 8010 (ppb)
			Benzene	Toluene	Ethylbenzene	1,2-Xylene	1,3-Xylene	1,4-Xylene	Gasoline Range (C4-C12)	Diesel Range (C12-C22)	Motor Oil Range (C22-C32)	Heavy Hydrocarbon Range (C32-C40)	VOCs	HVOCS
MH-2	5	12/21/95	--	--	--	--	--	--	<10	<10	<10	<10	BRL	--
MH-2	10	12/21/95	--	--	--	--	--	--	<10	<10	13	<10	BRL	--
MH-4	5	12/21/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
MH-4	10	12/21/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
MH-4	20	12/21/95	--	--	--	--	--	--	--	--	--	--	BRL	--
MH-4	30	12/21/95	--	--	--	--	--	--	--	--	--	--	BRL	--
MH-4	40	12/21/95	--	--	--	--	--	--	--	--	--	--	BRL	--
MH-5	5	12/21/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
MH-5	10	12/21/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
MH-6	5	12/21/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
MH-6	10	12/21/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
Screening Criteria			10[1]	1,500[1]	7,000[1]	17,500[1]	17,500[1]	17,500[1]	100	1,000	10,000		Various	NC

-- - Not Analyzed
BRL - Below Reporting Limit

[1] - Cleanup criteria equals the maximum contaminant level (MCL) times 10

Created by: M. Williams
Reviewed by: E. Ferguson

Table 3
Soil Sample Analytical Results for Bioremediation Cell Closure Sampling (Task 2)

Mobil Jalk Fee Property, Santa Fe Springs, California

Soil Boring Identification	Depth (feet)	Date Sampled	EPA Method 8020 (parts per billion, ppb)						EPA Method 8015 Modified (parts per million, ppm)			
			Benzene	Toluene	Ethylbenzene	1,2-Xylene	1,3-Xylene	1,4-Xylene	Gasoline Range (C4-C12)	Diesel Range (C12-C22)	Motor Oil Range (C22-C32)	Heavy Hydrocarbon Range (C32-C40)
Cell 71	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	110	<10
Cell 59	1	12/19/95	<10	<10	<10	<10	<10	<10	<2000	<2000	4600	<2000
Cell 76	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	11	<10
Cell 80	1	12/19/95	<10	<10	<10	<10	<10	<10	<50	<50	110	<50
Cell 57	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cell 64	1	12/19/95	<10	<10	<10	<10	<10	<10	<500	<500	1100	<500
Cell 55	1	12/19/95	<10	<10	<10	<10	<10	<10	<500	<500	610	<500
Cell 27	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	65	<10
Cell 46	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	130	<10
Cell 25	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cell 2	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cell 30	1	12/19/95	<10	<10	<10	<10	<10	<10	<200	<200	700	<200
Cell 43	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cell 21	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Cell 6	1	12/19/95	<10	<10	<10	<10	<10	<10	<50	<50	520	<50
Cell 12	1	12/19/95	<10	<10	<10	<10	<10	<10	<50	<50	460	<50
Cell 15	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	130	<10
Cell 17	1	12/19/95	<10	<10	<10	<10	<10	<10	<50	<50	630	<50
Cell 40	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	23	140	<10
Cell 4	1	12/19/95	<10	<10	<10	<10	<10	<10	<10	<10	55	<10
Screening Criteria			10[1]	1,500[1]	7,000[1]	17,500[1]	17,500[1]	17,500[1]	100	1,000	10,000	

[1] - Cleanup criteria equals the maximum contaminant level (MCL) times 10

Created by: M. Williams
Reviewed by: E. Ferguson

Table 4
Soil Sample Analytical Results for Northwest Perimeter and Northeast Perimeter (Task 3)

Mobil Jalk Fee Property, Santa Fe Springs, California

Soil Boring Identification	Depth (feet)	Date Sampled	EPA Method 8020 (parts per billion, ppb)						EPA Method 8015 Modified (parts per million, ppm)				EPA Method 8240 (ppb)	EPA Method 8010 (ppb)
			Benzene	Toluene	Ethylbenzene	1,2-Xylene	1,3-Xylene	1,4-Xylene	Gasoline Range (C4-C12)	Diesel Range (C12-C22)	Motor Oil Range (C22-C32)	Heavy Hydrocarbon Range (C32-C40)	VOCs	HVOCS
MH-7	5	12/21/95	--	--	--	--	--	--	<10	<10	<10	<10	BRL	--
MH-7	10	12/21/95	--	--	--	--	--	--	<10	<10	<10	<10	BRL	--
MH-8	1	12/21/95	--	--	--	--	--	--	<500	<500	1600	<500	BRL	--
MH-8	5	12/21/95	--	--	--	--	--	--	<10	<10	<10	<10	BRL	--
MH-9	1	12/21/95	--	--	--	--	--	--	<10	<10	85[1]	<10	BRL	--
MH-9	5	12/21/95	--	--	--	--	--	--	<10	<10	<10	<10	BRL	--
MH-10	1	12/21/95	--	--	--	--	--	--	<10	<10	<10	<10	BRL	--
MH-10	5	12/21/95	--	--	--	--	--	--	<10	<10	<10	<10	BRL	--
MH-10	10	12/21/95	--	--	--	--	--	--	<10	<10	<10	<10	BRL	--
MH-11	1	12/21/95	--	--	--	--	--	--	<500	<500	820	<500	BRL	--
MH-11	5	12/21/95	--	--	--	--	--	--	<10	<10	<10	<10	BRL	--
MH-11	10	12/21/95	--	--	--	--	--	--	<10	<10	<10	<10	BRL	--
Screening Criteria			10[1]	1,500[1]	7,000[1]	17,500[1]	17,500[1]	17,500[1]	100	1,000	10,000		Various	NC

-- - Not Analyzed
BRL - Below Reporting Limit

[1] - Cleanup criteria equals the maximum contaminant level (MCL) times 10

Created by: M. Williams
Reviewed by: E. Ferguson

Table 5
Soil Sample Analytical Results for PCE Impacted Area (Task 3)

Mobil Jalk Fee Property, Santa Fe Springs, California

Soil Boring Identification	Depth (feet)	Date Sampled	EPA Method 8010 (ppb)				
			cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Other Halogenated Volatile Organic Compounds
GP-19	5	12/21/95	BRL	BRL	BRL	BRL	BRL
GP-19	10	12/21/95	BRL	BRL	BRL	BRL	BRL
GP-19	15	12/21/95	BRL	BRL	BRL	75	BRL
GP-19	20	12/21/95	BRL	BRL	BRL	12	BRL
GP-19	25	12/21/95	BRL	BRL	BRL	220	BRL
GP-19	30	12/21/95	BRL	BRL	BRL	78	BRL
GP-19	35	12/21/95	BRL	BRL	BRL	340	BRL
GP-19	40	12/21/95	BRL	BRL	BRL	110	BRL
GP-20	5	12/22/95	BRL	BRL	BRL	55	BRL
GP-20	10	12/22/95	BRL	BRL	BRL	BRL	BRL
GP-20	15	12/22/95	BRL	BRL	BRL	BRL	BRL
GP-20	20	12/22/95	BRL	BRL	BRL	10	BRL
GP-20	25	12/22/95	BRL	BRL	BRL	920	BRL
GP-20	30	12/27/95	BRL	BRL	BRL	480	BRL
GP-20	35	12/27/95	BRL	BRL	24	100	BRL
GP-20	40	12/27/95	BRL	BRL	BRL	23	BRL
GP-21	5	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-21	10	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-21	15	12/27/95	BRL	BRL	BRL	20	BRL
GP-21	20	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-21	25	12/27/95	BRL	BRL	BRL	170	BRL
GP-21	30	12/27/95	BRL	BRL	BRL	21	BRL
GP-21	35	12/27/95	BRL	BRL	40	560	BRL
GP-21	40	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-22	5	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-22	10	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-22	15	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-22	20	12/27/95	BRL	BRL	19	75	BRL
GP-22	25	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-22	30	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-22	35	12/27/95	20	BRL	41	BRL	BRL
GP-22	40	12/27/95	14	BRL	24	BRL	BRL
GP-23	5	12/27/95	11	12	50	BRL	BRL
GP-23	10	12/27/95	BRL	BRL	14	BRL	BRL

Table 5
Soil Sample Analytical Results for PCE Impacted Area (Task 3)

Mobil Jalk Fee Property, Santa Fe Springs, California

Soil Boring Identification	Depth (feet)	Date Sampled	EPA Method 8010 (ppb)				
			cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Other Halogenated Volatile Organic Compounds
GP-23	15	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-23	20	12/27/95	BRL	BRL	BRL	BRL	BRL
GP-23	25	12/28/95	BRL	BRL	BRL	BRL	BRL
GP-23	30	12/28/95	10	BRL	10	21	BRL
GP-23	35	12/28/95	BRL	BRL	BRL	BRL	BRL
GP-23	40	12/28/95	BRL	BRL	BRL	BRL	BRL
GP-24	5	12/28/95	BRL	BRL	BRL	BRL	BRL
GP-24	10	12/28/95	BRL	BRL	BRL	BRL	BRL
GP-24	15	12/28/95	110	160	180	BRL	BRL
GP-24	20	12/28/95	BRL	BRL	BRL	BRL	BRL
GP-24	25	12/28/95	13	BRL	BRL	23	BRL
GP-24	30	12/28/95	BRL	BRL	BRL	BRL	BRL
GP-24	35	12/28/95	BRL	BRL	BRL	BRL	BRL
GP-24	40	12/28/95	BRL	BRL	BRL	BRL	BRL
MB-1	25	12/29/95	BRL	BRL	BRL	4100	BRL
MB-1	30	12/29/95	BRL	BRL	BRL	700	BRL
MB-1	35	12/29/95	BRL	BRL	22	2000	BRL
MB-1	40	12/29/95	BRL	BRL	BRL	170	BRL
MB-1	45	12/29/95	BRL	BRL	BRL	BRL	BRL
MB-1	50	12/29/95	BRL	BRL	BRL	BRL	BRL
MB-1	55	12/29/95	BRL	BRL	BRL	55	BRL
MB-1	59	12/29/95	BRL	BRL	BRL	BRL	BRL
MB-2	25	12/29/95	260	BRL	BRL	85	BRL
MB-2	30	12/29/95	970	BRL	76	260	BRL
MB-2	35	12/29/95	510	BRL	34	130	BRL
MB-2	40	12/29/95	15	BRL	BRL	BRL	BRL
MB-2	45	12/29/95	BRL	BRL	BRL	BRL	BRL
MB-2	50	12/29/95	BRL	BRL	BRL	BRL	BRL
MB-2	55	12/29/95	BRL	BRL	BRL	BRL	BRL
MB-2	59	12/29/95	BRL	BRL	BRL	BRL	BRL
Screening Criteria			60[1]	100[1]	50[1]	50[1]	Various

BRL - Below Reporting Limit

[1] - Cleanup criteria equals the maximum contaminant level (MCL) times 10

Created by: M. Williams
Reviewed by: E. Ferguson

Table 6
Soil Gas Survey Analytical Results for Former Trucking Operations Area (Task 3)

Mobil Jalk Fee Property, Santa Fe Springs, California

Soil Boring Identification	Depth (feet)	Date Sampled	EPA Method 8010 (ppb)				
			cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Trichloroethene	Tetrachloroethene	Other Halogenated Volatile Organic Compounds
SG-1	5	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-1	10	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-2	5	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-2	10	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-3	5	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-3	10	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-4	5	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-4	10	1/2/96	BRL	BRL	BRL	3	BRL
SG-5	5	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-5	10	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-6	5	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-6	10	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-7	5	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-7	10	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-8	5	1/2/96	BRL	BRL	BRL	1	BRL
SG-8	8	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-9	5	1/2/96	BRL	BRL	BRL	BRL	BRL
SG-9	10	1/2/96	BRL	BRL	BRL	BRL	BRL

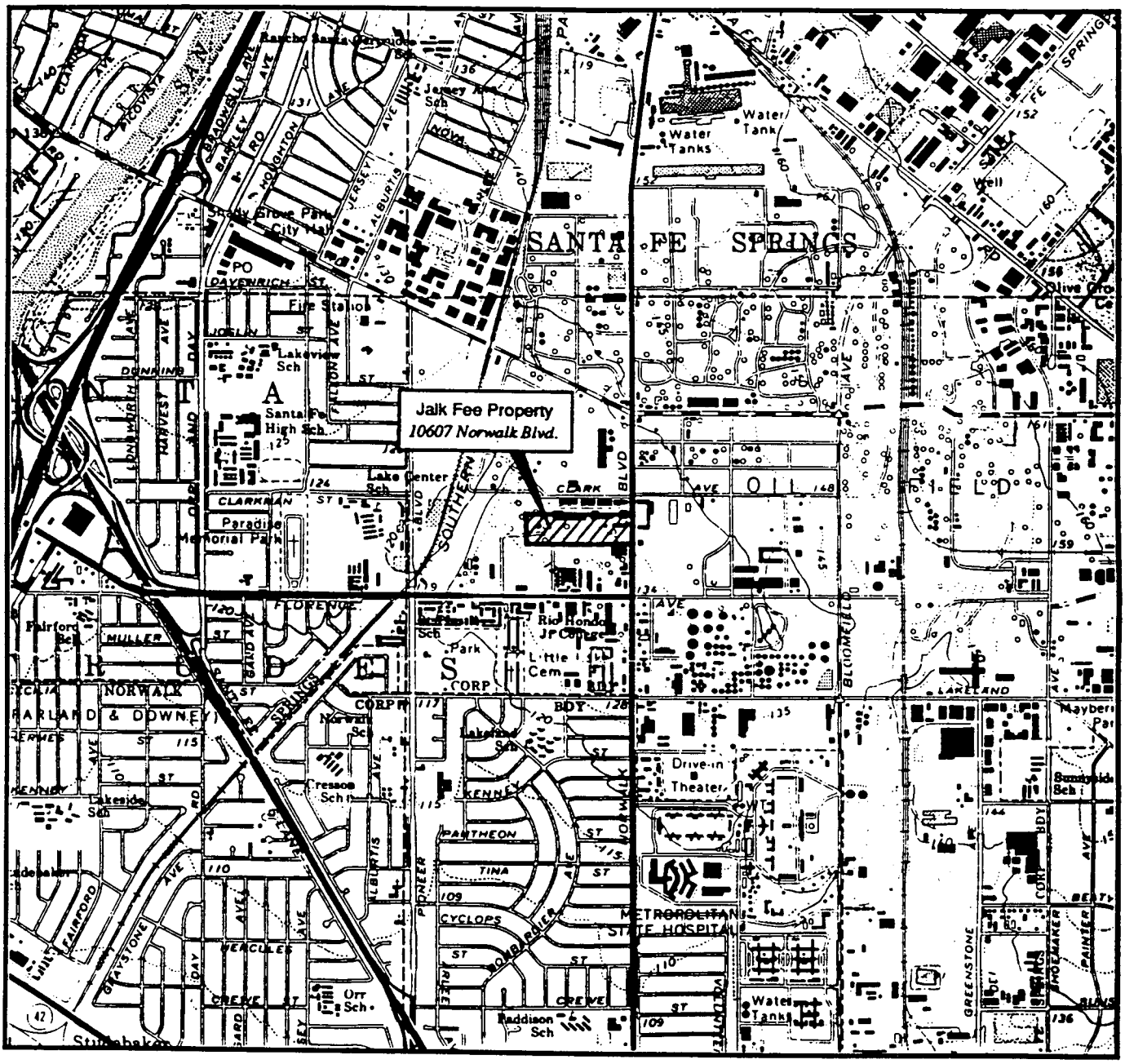
BRL - Below Reporting Limit

[1] - Cleanup criteria equals the maximum contaminant level (MCL) times 10

Created by: M. Williams
Reviewed by: E. Ferguson

Figures

FIGURE 1
SITE LOCATION MAP
JALK FEE PROPERTY
SANTA FE SPRINGS, CALIFORNIA



SOURCE: FROM THE USGS MAP. WHITTIER QUADRANGLE, CA.
7.5 MINUTE SERIES (TOPOGRAPHIC MAP) - 1965, PHOTO REVISED 1981

N

0 2,000'

SCALE

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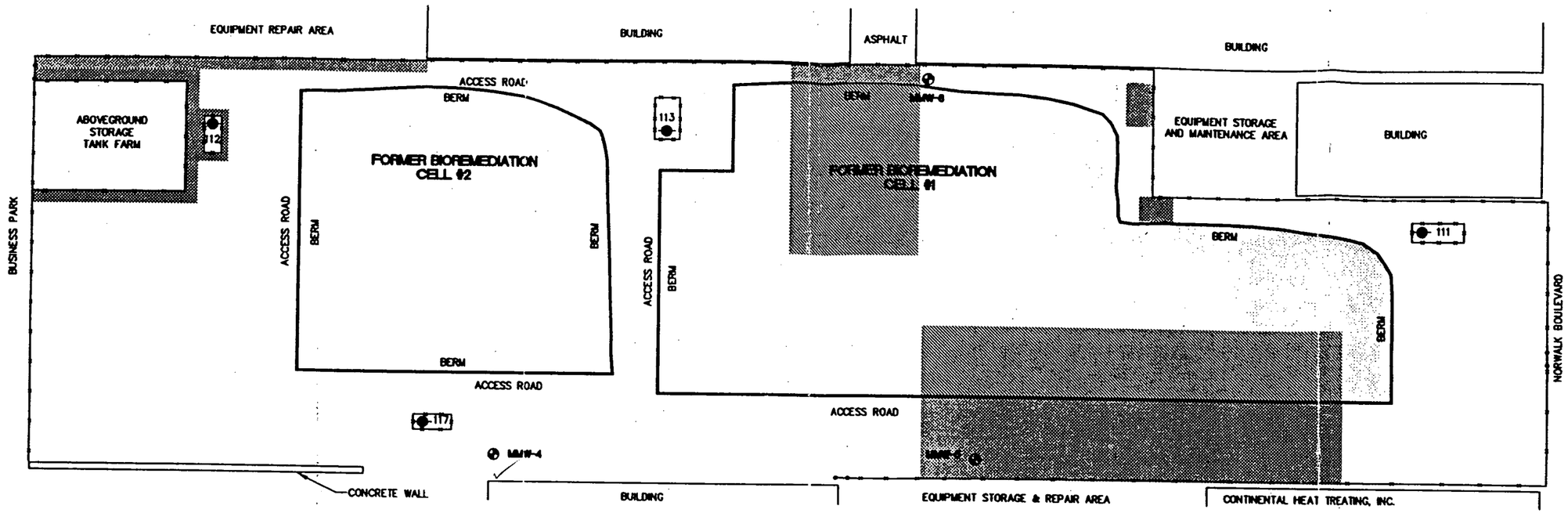

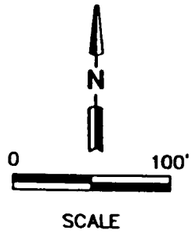

LEGEND

▭	APPROXIMATE AREA OF BIOREMEDIATION CELL (4.37 ACRES)	▒	AREA OF TASK 1
⊕ MW-4	GROUNDWATER MONITOR WELL LOCATION		AREA OF TASK 2
NOTES:	SITE MAP MODIFIED FROM LEVINE-FRICKE (1991c).		
●—117	OPERATIONAL OIL WELL	▒	AREA OF TASK 3
——	CHAIN LINK FENCE	▒	AREA OF TASK 2 & 3
—o—	GATE		

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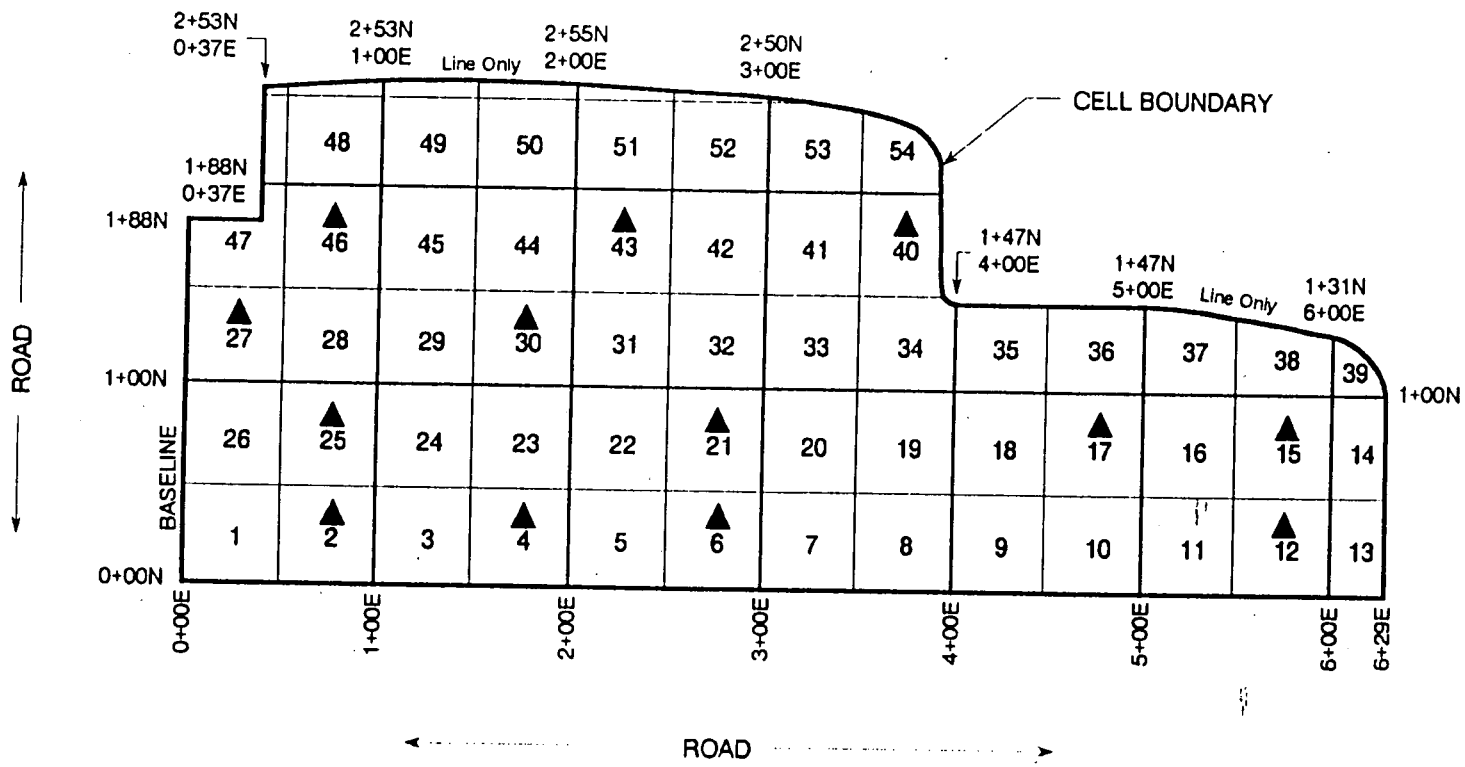
FIGURE 2
MOBIL JALK FEE SITE MAP
10607 NORWALK BOULEVARD
SANTA FE SPRINGS,
CALIFORNIA

DRAWN BY: E. Muresan	DATE: 10-5-94	PROJECT NAME: MOBIL	
CHECKED BY: E. Ferguson	DATE: 02/2/96	PROJECT NUMBER: 03.001382.000	
APPROVED BY: T. Bubier	DATE: 02/2/96	REVISION DATE: 02/1/96 vlb	DRAWING FILE # 1195_F1

FIGURE 3
SOIL SAMPLE GRID LAYOUT
CELL #1
JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CAILIFORNIA



LEGEND

▲ Closure Soil Sample Location

DRAFT

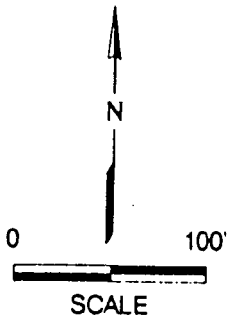


FIGURE 4
SOIL SAMPLE GRID LAYOUT
CELL #2
MOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CAILIFORNIA

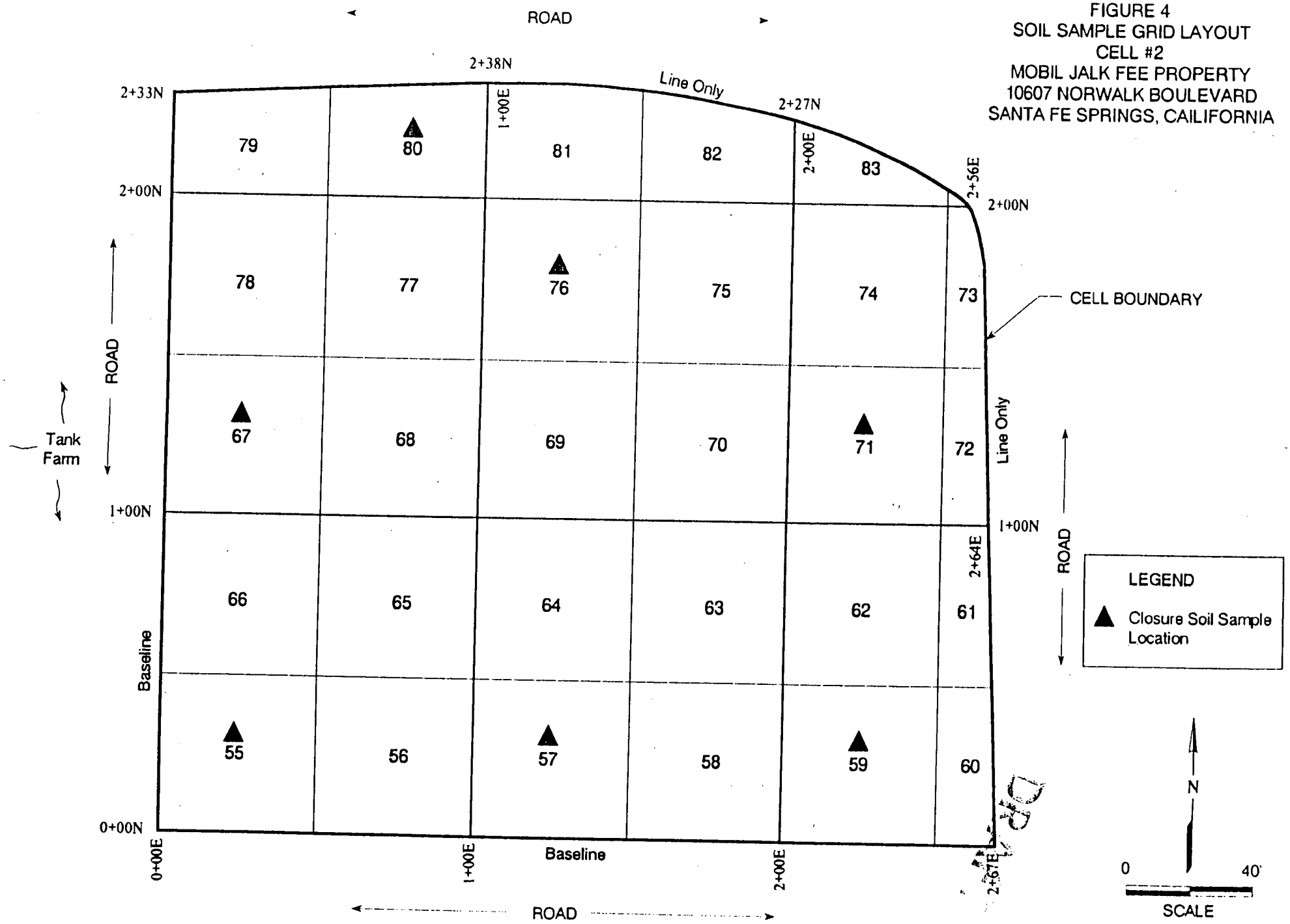
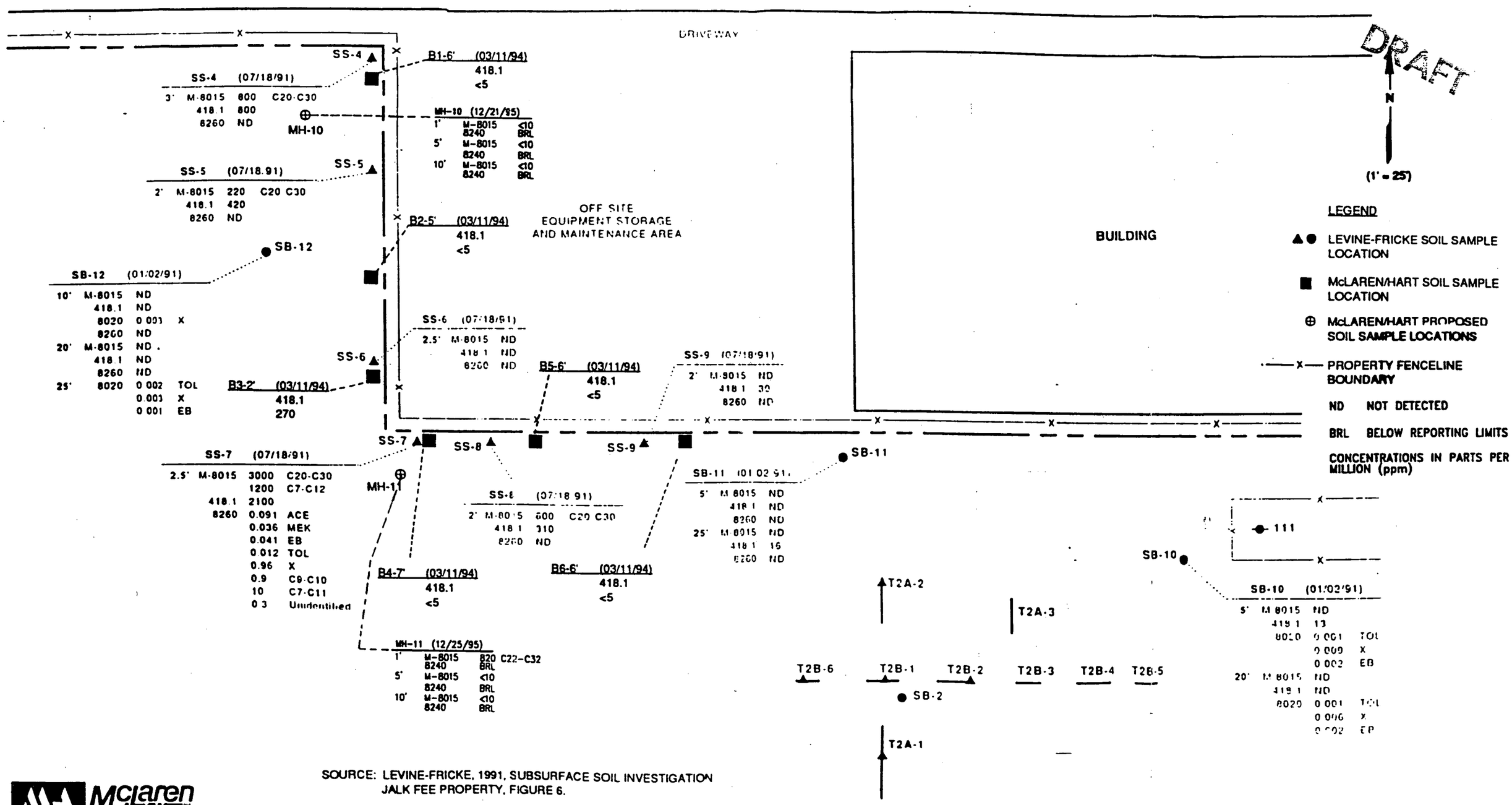


FIGURE 6
SOIL SAMPLE ANAYTICAL RESULTS
JALK FEE SITE
NORTHEAST PERIMETER
10607 NORWALK BLVD.
SANTA FE SPRINGS, CALIFORNIA



SOURCE: LEVINE-FRICKE, 1991, SUBSURFACE SOIL INVESTIGATION
JALK FEE PROPERTY, FIGURE 6.

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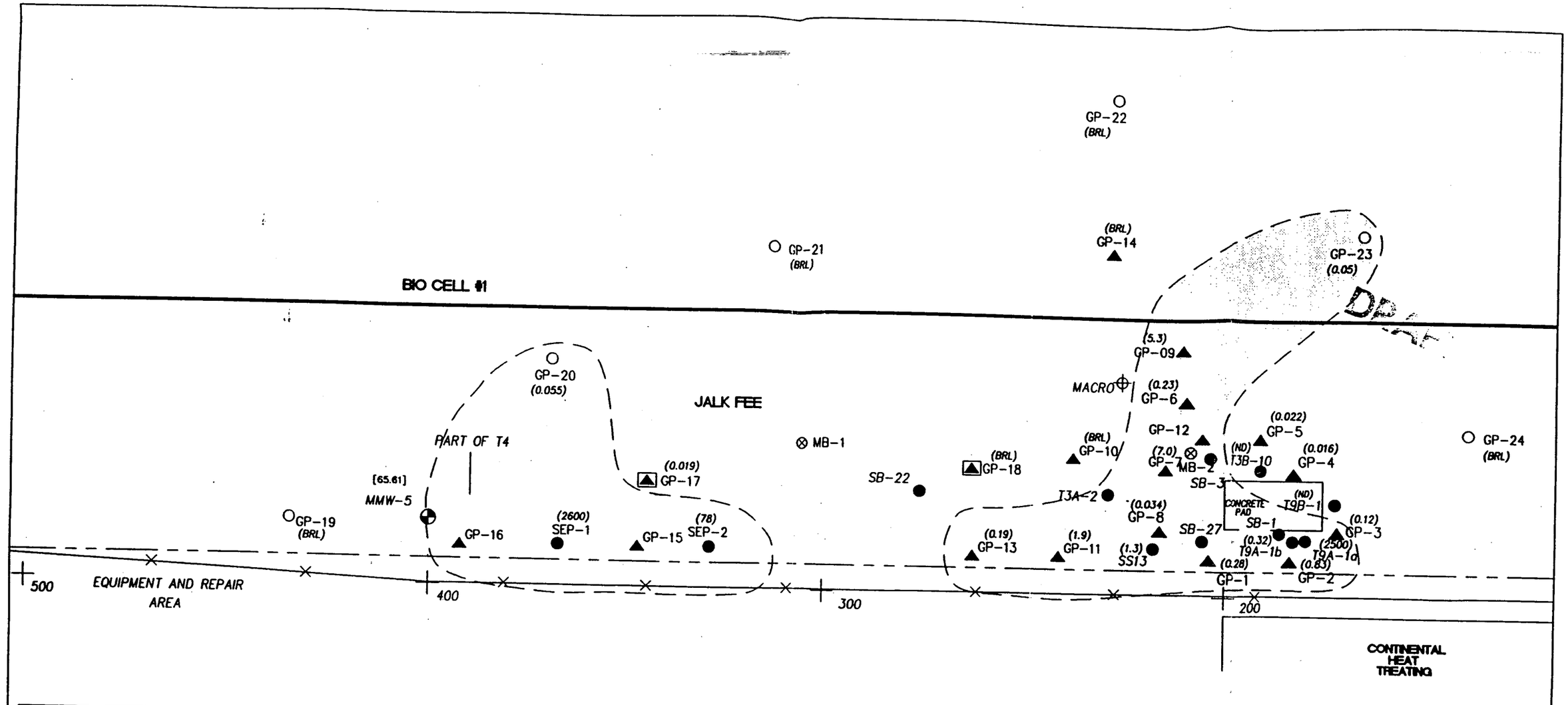

CONTINENTAL HEAT TREATING

LEGEND

— — — —	PROPERTY LINE	GP-17 ▲	CONTINGENT GEOPROBE (McLAREN/HART, JULY-SEPTEMBER 1994)
T4 ———	APPROXIMATE LOCATION OF EXPLORATORY TEST PIT	GP-14 ▲	GEOPROBE (McLAREN/HART, JULY-SEPTEMBER 1994)
SB-22 ●	SOIL BORING (LEVINE-FRICKE, DECEMBER 1991)	MACRO ⊕	MACRO SAMPLE (McLAREN/HART, DECEMBER 1995)
MMW-5 ⊕	GROUNDWATER MONITOR WELL LOCATION	(78)	CONCENTRATION OF HIGHEST DETECTED SOLVENT COMPOUND
○	GEOPROBE (McLAREN/HART, DECEMBER 1995)	(⬭)	SOLVENT PLUME CONCENTRATION (>0.05 ppm)
⊗	SOIL BORING (McLAREN/HART, DECEMBER 1995)	BRL	BELOW REPORTING LIMITS
[65.61]	DEPTH TO GROUNDWATER IN FEET	ND	NOT DETECTED
500 +	SURVEYED MEASURED INTERVALS (100 FOOT)		
——×——×——	CHAIN LINK FENCE	Note:	All Concentrations are Reported in parts per million (ppm).

N

0 25'

APPROX. SCALE

NOTES: SITE MAP MODIFIED FROM LEVINE-FRICKE (1991b).

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FIGURE 7
HALOGENATED VOLATILE ORGANIC COMPOUND PLUME AT 5 FEET BELOW GROUND SURFACE
MOBIL-JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CA

DRAWN BY: E.M.	DATE: 9-26-94	PROJECT NAME:	
REVISED BY: V.B.	DATE: 1-25-96	MOBIL JALK FEE PCE	
CHECKED BY: E. Ferguson	DATE: 2-01-96	PROJECT NUMBER: 03.0601382.000	
APPROVED BY: T. Bubier	DATE: 2-01-96	REVISION DATE: 2-02-96	DRAWING FILE # 3-7

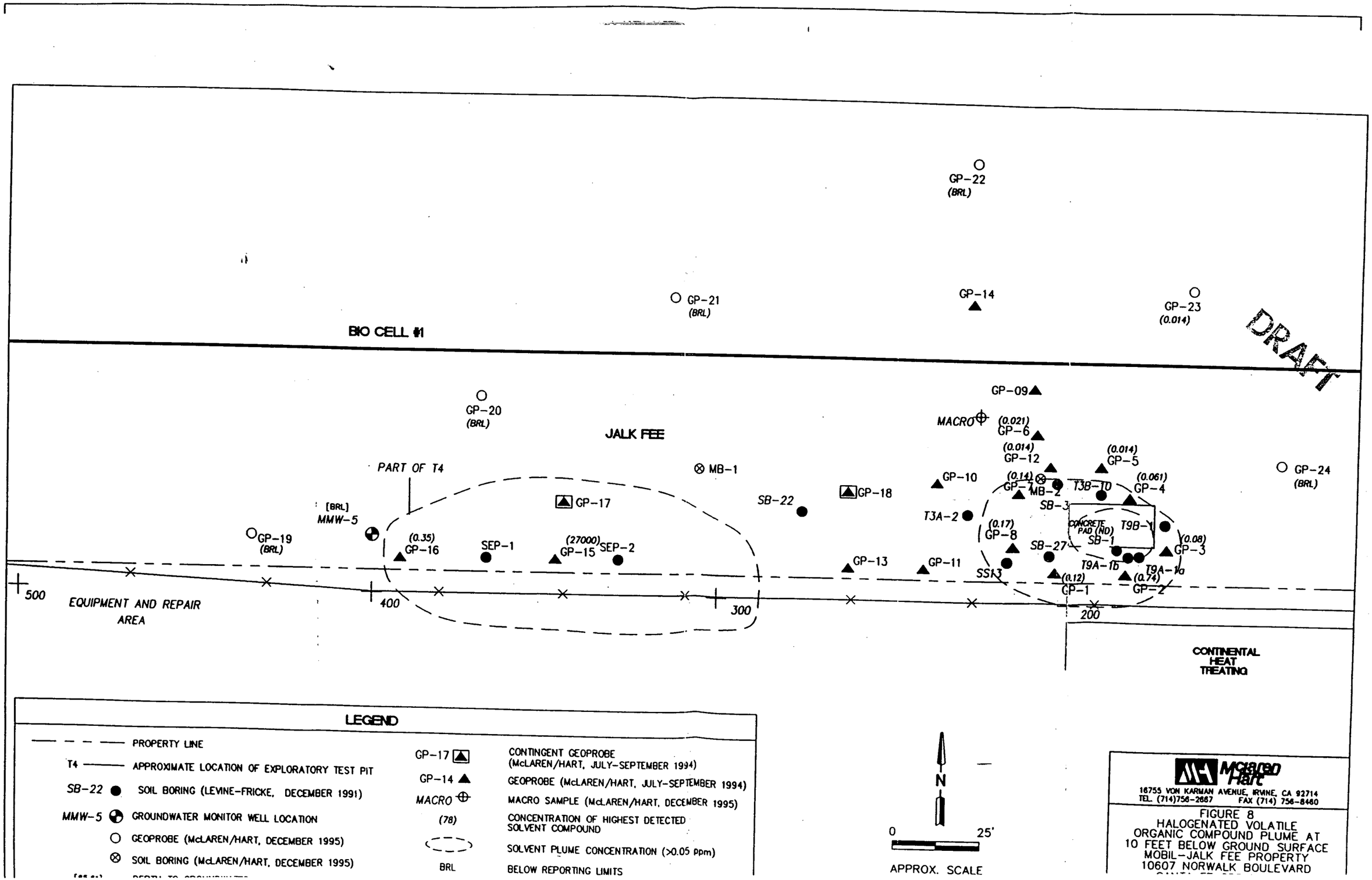
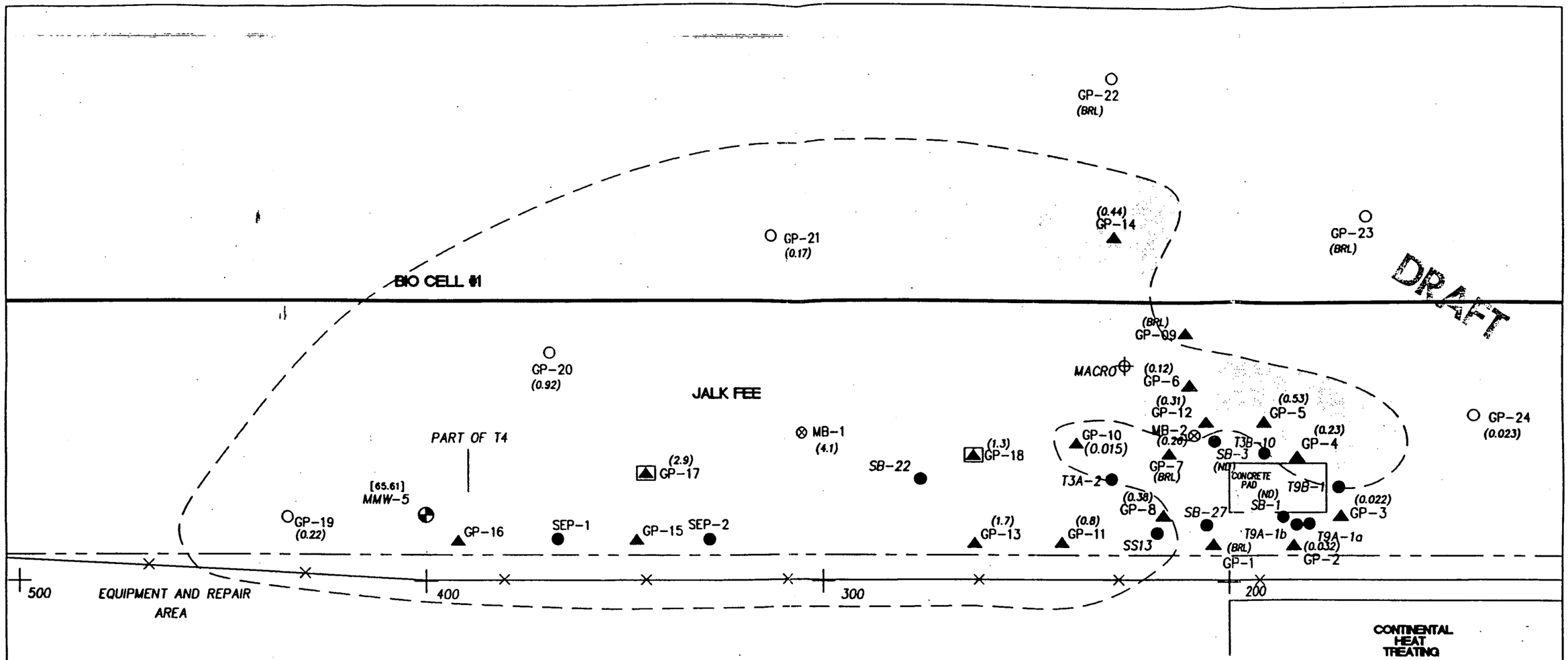


FIGURE 8
HALOGENATED VOLATILE ORGANIC COMPOUND PLUME AT 10 FEET BELOW GROUND SURFACE
MOBIL-JALK FEE PROPERTY
10607 NORWALK BOULEVARD



LEGEND

— — — —	PROPERTY LINE	GP-17 ▲	CONTINGENT GEOPROBE (McLAREN/HART, JULY–SEPTEMBER 1994)
T4 ———	APPROXIMATE LOCATION OF EXPLORATORY TEST PIT	GP-14 ▲	GEOPROBE (McLAREN/HART, JULY–SEPTEMBER 1994)
SB-22 ●	SOIL BORING (LEVINE-FRICKE, DECEMBER 1991)	MACRO ⊕	MACRO SAMPLE (McLAREN/HART, DECEMBER 1995)
MMW-5 ◐	GROUNDWATER MONITOR WELL LOCATION	(78)	CONCENTRATION OF HIGHEST DETECTED SOLVENT COMPOUND
○	GEOPROBE (McLAREN/HART, DECEMBER 1995)	⬭	SOLVENT PLUME CONCENTRATION (>0.05 ppm)
⊗	SOIL BORING (McLAREN/HART, DECEMBER 1995)	BRL	BELOW REPORTING LIMITS
[65.61]	DEPTH TO GROUNDWATER IN FEET	ND	NOT DETECTED
500 +	SURVEYED MEASURED INTERVALS (100 FOOT)	Note:	All Concentrations are Reported in parts per million (ppm).
——×——×——	CHAIN LINK FENCE		

N

0 25'

APPROX. SCALE

NOTES: SITE MAP MODIFIED FROM LEVINE-FRICKE (1991b).

McLaren Hart
16755 VON KARMAN AVENUE, IRVINE, CA 92714
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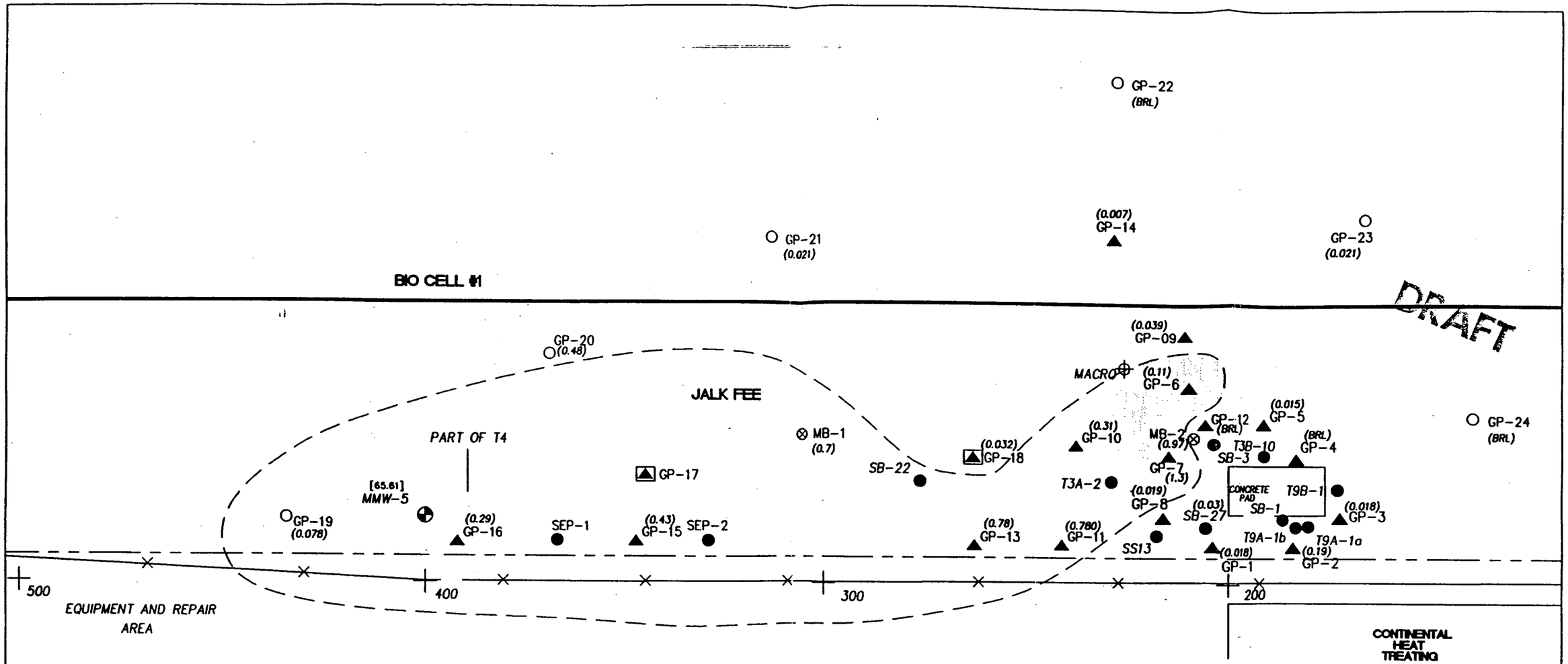
FIGURE 11
HALOGENATED VOLATILE ORGANIC COMPOUND PLUME AT 25 FEET BELOW GROUND SURFACE
MOBIL-JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CA

DRAWN BY: E.M.	DATE: 9-26-94	PROJECT NAME:	
REVISED BY: V.B.	DATE: 2-1-96	MOBIL JALK FEE PCE	
CHECKED BY: E. Ferguson	DATE: 2-2-96	PROJECT NUMBER: 03.0601382.000	
APPROVED BY: T. Bubier	DATE: 2-2-96	REVISION DATE: 2-2-96	DRAWING FILE # 7-11



LEGEND

— — — —	PROPERTY LINE	GP-17 ▲	CONTINGENT GEOPROBE (McLAREN/HART, JULY–SEPTEMBER 1994)
T4 ———	APPROXIMATE LOCATION OF EXPLORATORY TEST PIT	GP-14 ▲	GEOPROBE (McLAREN/HART, JULY–SEPTEMBER 1994)
SB-22 ●	SOIL BORING (LEVINE–FRICKE, DECEMBER 1991)	MACRO ⊕	MACRO SAMPLE (McLAREN/HART, DECEMBER 1995)
MMW-5 ⊕	GROUNDWATER MONITOR WELL LOCATION	(78)	CONCENTRATION OF HIGHEST DETECTED SOLVENT COMPOUND
○	GEOPROBE (McLAREN/HART, DECEMBER 1995)	⬭	SOLVENT PLUME CONCENTRATION (>0.05 ppm)
⊗	SOIL BORING (McLAREN/HART, DECEMBER 1995)	BRL	BELOW REPORTING LIMITS
[65.61]	DEPTH TO GROUNDWATER IN FEET	ND	NOT DETECTED
500 +	SURVEYED MEASURED INTERVALS (100 FOOT)		
——×——×——	CHAIN LINK FENCE	Note:	All Concentrations are Reported in parts per million (ppm).

N

0 25'

APPROX. SCALE

NOTES: SITE MAP MODIFIED FROM LEVINE–FRICKE (1991b).

McLaren Hart
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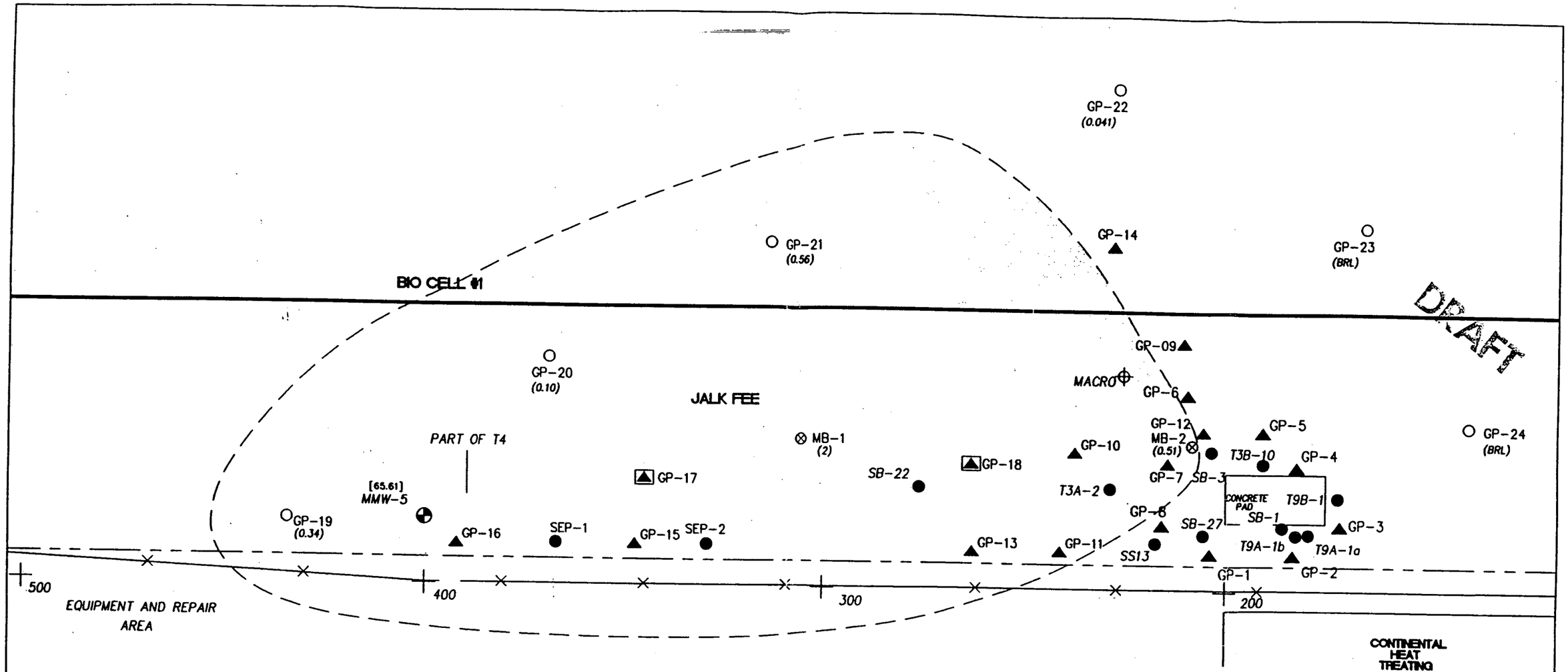
FIGURE 12
HALOGENATED VOLATILE
ORGANIC COMPOUND PLUME AT
30 FEET BELOW GROUND SURFACE
MOBIL–JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CA

DRAWN BY: E.M.	DATE: 9-26-94	PROJECT NAME:	
REVISED BY: V.B.	DATE: 01-25-96	MOBIL JALK FEE PCE	
CHECKED BY: E. Ferguson	DATE: 2-01-96	PROJECT NUMBER: 03.0601382.000	
APPROVED BY: T. Bubier	DATE: 2-1-96	REVISION DATE: 01-31-96	DRAWING FILE # 8-12



LEGEND

— — — —	PROPERTY LINE	GP-17 ▲	CONTINGENT GEOPROBE (McLAREN/HART, JULY–SEPTEMBER 1994)
T4 ———	APPROXIMATE LOCATION OF EXPLORATORY TEST PIT	GP-14 ▲	GEOPROBE (McLAREN/HART, JULY–SEPTEMBER 1994)
SB-22 ●	SOIL BORING (LEVINE–FRICKE, DECEMBER 1991)	MACRO ⊕	MACRO SAMPLE (McLAREN/HART, DECEMBER 1995)
MMW-5 ⊕	GROUNDWATER MONITOR WELL LOCATION	(78)	CONCENTRATION OF HIGHEST DETECTED SOLVENT COMPOUND
○	GEOPROBE (McLAREN/HART, DECEMBER 1995)	⬭	SOLVENT PLUME CONCENTRATION (>0.05 ppm)
⊗	SOIL BORING (McLAREN/HART, DECEMBER 1995)	BRL	BELOW REPORTING LIMITS
[65.61]	DEPTH TO GROUNDWATER IN FEET	ND	NOT DETECTED
300 +	SURVEYED MEASURED INTERVALS (100 FOOT)		
—×—×—	CHAIN LINK FENCE	Note:	All Concentrations are Reported in parts per million (ppm).

N

0 25'

APPROX. SCALE

NOTES: SITE MAP MODIFIED FROM LEVINE–FRICKE (1991b).

McLaren Hart
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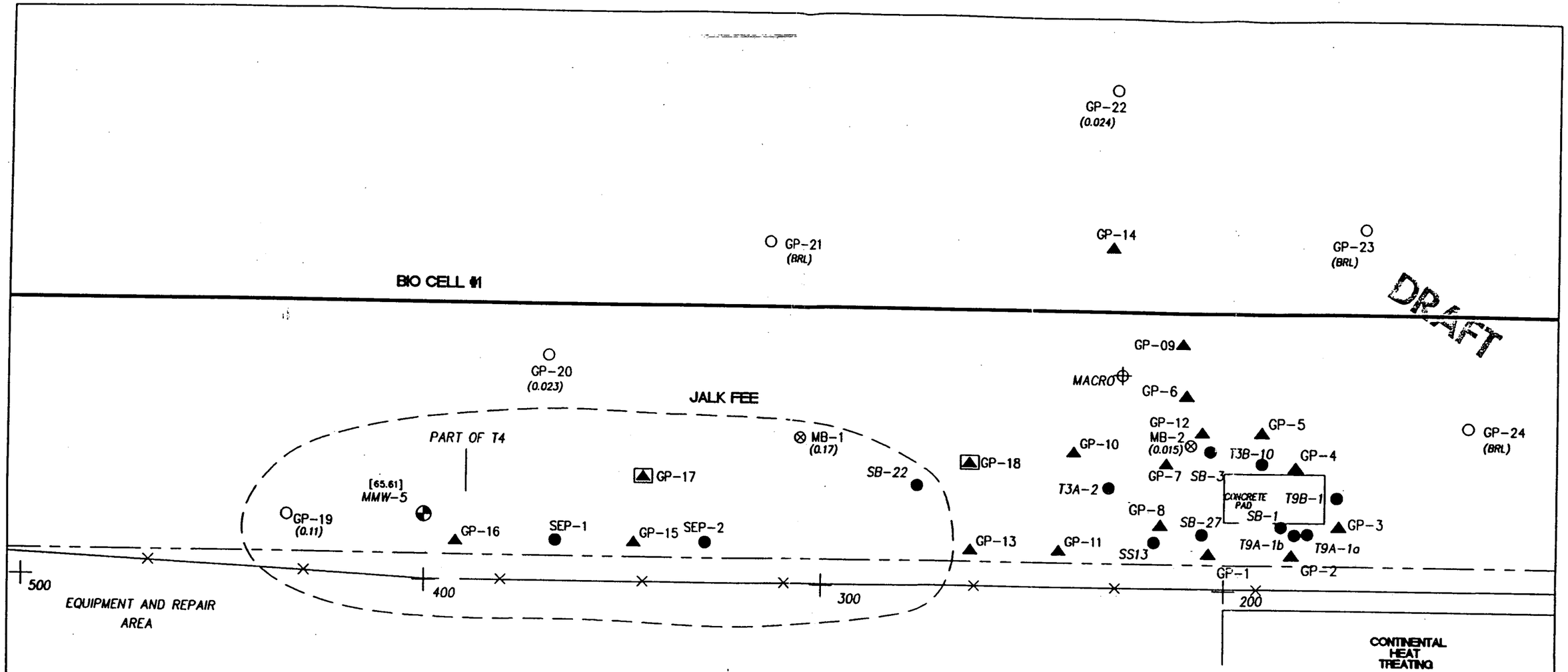
FIGURE 13
HALOGENATED VOLATILE ORGANIC COMPOUND PLUME AT 35 FEET BELOW GROUND SURFACE
MOBIL–JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CA

DRAWN BY: E.M.	DATE: 9-26-94	PROJECT NAME:	
REVISED BY: V.B.	DATE: 01-29-96	MOBIL JALK FEE PCE	
CHECKED BY: E. Ferguson	DATE: 2-2-96	PROJECT NUMBER: 03.0601382.000	
APPROVED BY: T. Bubier	DATE: 2-2-96	REVISION DATE: 2-2-96	DRAWING FILE # 9-13



LEGEND

— — — —	PROPERTY LINE	GP-17 ▲	CONTINGENT GEOPROBE (McLAREN/HART, JULY-SEPTEMBER 1994)
T4 ———	APPROXIMATE LOCATION OF EXPLORATORY TEST PIT	GP-14 ▲	GEOPROBE (McLAREN/HART, JULY-SEPTEMBER 1994)
SB-22 ●	SOIL BORING (LEVINE-FRICKE, DECEMBER 1991)	MACRO ⊕	MACRO SAMPLE (McLAREN/HART, DECEMBER 1995)
MMW-5 ◐	GROUNDWATER MONITOR WELL LOCATION	(78)	CONCENTRATION OF HIGHEST DETECTED SOLVENT COMPOUND
○	GEOPROBE (McLAREN/HART, DECEMBER 1995)	⬭	SOLVENT PLUME CONCENTRATION (>0.05 ppm)
⊗	SOIL BORING (McLAREN/HART, DECEMBER 1995)	BRL	BELOW REPORTING LIMITS
[65.61]	DEPTH TO GROUNDWATER IN FEET	ND	NOT DETECTED
500 +	SURVEYED MEASURED INTERVALS (100 FOOT)		
—×—×—	CHAIN LINK FENCE	Note:	All Concentrations are Reported in parts per million (ppm).

N

0 25'

APPROX. SCALE

NOTES: SITE MAP MODIFIED FROM LEVINE-FRICKE (1991b).

McLaren Hart
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FIGURE 14
HALOGENATED VOLATILE ORGANIC COMPOUND PLUME AT 40 FEET BELOW GROUND SURFACE
MOBIL-JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CA

DRAWN BY: E.M.	DATE: 9-26-94	PROJECT NAME:	
REVISED BY: V.B.	DATE: 2-1-96	MOBIL JALK FEE PCE	
CHECKED BY: E. Ferguson	DATE: 2-2-96	PROJECT NUMBER: 03.0601382.000	
APPROVED BY: T. Bubier	DATE: 2-2-96	REVISION DATE: 2-1-96	DRAWING FILE # 10-14

Appendix A

McLaren/Hart's Standard Protocols

McLAREN/HART STANDARD PROTOCOLS

COLLECTION OF SOIL SAMPLES USING A GEOPROBE

A Geoprobe is a truck-mounted hydraulically operated sampling unit designed to collect soil, soil gas, and groundwater samples at discrete depths. As no soil cuttings are generated during Geoprobe sampling, no cuttings require containerization, characterization and off-site disposal.

Soil samples were obtained by driving a two-foot long, brass-lined, stainless steel sampling tube equipped with an internal, moveable piston to a position just above the desired sampling depth. After the tube is properly positioned, the internal piston is released and the tube driven an additional twenty-four inches, allowing the soil to enter the tube. The sampling tube is then withdrawn and the soil sample removed from the tube within the brass liner.

The lower most tube from each sampled interval is trimmed of excess soil, sealed with squares of Teflon sheeting, and plastic end caps, labeled, and stored on ice in a thermally insulated ice chest. A sample label is attached to each sample tube identifying the date the sample was collected, a unique identification number, and other identifying information. Samples are couriered or shipped under chain-of-custody procedures to a State-certified hazardous waste testing laboratory.

A portion of the soil is extruded into a plastic airlock bag for headspace analysis. The bag is sealed immediately and left to stand for a few mixtures to allow volatile gases to enter the headspace of the bag. A photoionization detector (PID) calibrated to isobutylene or flame ionization detector (FID) is used in the field to analyze the headspace gases. Headspace readings are included on the soil boring logs.

Prior to sampling and between samples, all reusable sampling equipment is washed in a phosphate-free detergent solution, rinsed in tap water, and then rinsed in deionized water. Geoprobe borings are backfilled using bentonite granules.

COLLECTION OF SOIL SAMPLES USING A HAND AUGER

A 5-foot-long stainless steel hand auger, fitted with 5-foot long conduit extension(s) as needed, is used to drill an approximately 2- 1/4 inch-diameter boring to the proposed sample depth. Soil samples are collected at the appropriate depth as described in the scope of work. Prior to and between the sampling intervals, all reusable equipment is washed in a phosphate-free detergent solution, rinsed in tap water, and then rinsed in deionized water.

Each soil sample is collected by using a slide-hammer to drive a solid or split-spoon sampler lined with a 6-inch brass tube into the undisturbed soil at each sampling depth. The sample tubes are removed from the sampler, excess soil is trimmed, and each end of the sample tube is covered with Teflon squares and plastic end caps.

A sample label (or equivalent) is attached to each sample tube identifying the date the sample was collected, a unique identification number, and other identifying information. Soil samples are placed in a thermally insulated container with ice and shipped or couriered to a State-certified hazardous waste-testing laboratory using the appropriate chain-of-custody procedures.

COLLECTION OF SOIL SAMPLES USING A HOLLOW STEM AUGER DRILLING RIG

Prior to and between the sampling intervals, all reusable equipment is washed in a phosphate-free detergent solution, rinsed in tap water, and then rinsed in deionized water.

Soil samples are obtained in clean, 2-inch diameter, 3- or 6-inch-long brass tubes using an 18-inch California modified split-spoon sampler. Three six-inch tubes are inserted into the split-spoon sampler, which is driven into undisturbed soil ahead of the auger bit using a 140-pound hammer. Blow counts are recorded for each 6-inch driving interval.

The lowermost tube from each sampled interval is trimmed of excess soil, each end of the sample tube is covered with Teflon squares and plastic end caps. A sample label is attached to each sample tube identifying the date the sample was collected, a unique identification number, and other identifying information. Soil samples are placed in a thermally insulated container

with ice and shipped or couriered to a State-certified hazardous waste-testing laboratory using the appropriate chain-of-custody procedures.

The middle tube of the sample is inspected for texture, color, moisture content, hydrocarbon odor, and other distinguishing characteristics. The lithology is logged using the Unified Soils Classification System and is recorded on a soil boring log.

Approximately half of the soil in the middle or upper brass tube is extruded into a plastic airlock bag for headspace analysis. The bag is sealed immediately and left to stand for a few minutes to allow volatile gases to enter the headspace of the bag. A photoionization detector (PID) calibrated to isobutylene or flame ionization detector (FID) is used in the field to determine the concentration of volatile organic compounds (VOCs) which originate from the soil sample. Field VOC readings are included on the soil boring logs.

Soil cuttings generated by drilling are temporarily stored on-site in 55-gallon DOT approved drums, pending analytical results and proper disposal. Soil borings are backfilled to 1 foot below grade with hydrated bentonite chips or bentonite grout and finished to grade with asphalt patch, concrete, or native soil as appropriate.

Appendix B

Soil Boring Logs

SB/MW#: MH-4
#D- 15597
Page 1 of 1
Sampler: T. Overturf

DRAFT

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs
ELEVATION _____ MONITORING DEVICE PID
SAMPLING DATE(S) 12-29-95 START 9:15 AM FINISH 11:00 AM
SAMPLING METHOD CA MOD SPLIT SPOON SUBCONTRACTOR & EQUIPMENT BC2 Environmental
MEMO _____

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
0.0						@5' Sandy silt (0,30,60,10); strong brown (7.5YR 4/6); (100% fine); medium dense; damp.	ML			Backfilled with Hydrated Bentonite Chips
15.0						Sand: (0,90,10,0); dark grayish brown (2.5Y 4/2); medium dense; damp.	SM			
20.0						Silt: (0,0,100,0); medium dense; damp.	ML			
						@30' Becomes clayey.				
40.0										T.D. = 40'

5 10 15 20 25 30 35 40

SB/MW#: MH-10
#D- 15598
Page 1 of 1
Sampler: T. Overturf

DRAFT

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs
ELEVATION _____ MONITORING DEVICE PID
SAMPLING DATE(S) 12-29-95 START _____ FINISH _____
SAMPLING METHOD CA MOD SPLIT SPOON SUBCONTRACTOR & EQUIPMENT BC2 Environmental
MEMO _____

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
0.0						Silt* (0,10,90,0); strong brown (7.5YR 4/6); (100% fine); dense; damp to dry.	ML			Backfilled with Hydrated Bentonite Chips
5						@5' Becomes slightly clayey.				
10										
15						@15' Dark grayish brown (2.5Y 4/2).				
20										
24.0										
25						25.0 Silty clay: (0,0,30,70); medium dense; low plasticity; damp.	CL			T.D. = 25'
30										
35										
40										

SB/MW#: MH-11
#D- 15599
Page 1 of 1
Sampler: T. Overturf

SOIL DRILLING LOG

DRAFT

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd, Santa Fe Springs
ELEVATION MONITORING DEVICE PID
SAMPLING DATE(S) 12-29-95 START FINISH
SAMPLING METHOD CA MOD SPLIT SPOON SUBCONTRACTOR & EQUIPMENT BC2 Environmental
MEMO

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
0.0						Silt* (0,10,90,0); strong brown (7.5YR 4/6); (100% fine); dense; damp to dry.	ML			Backfilled with Hydrated Bentonite Chips
5						@5' Becomes slightly clayey.				
10										
15						@15' Dark grayish brown (2.5Y 4/2).				
20										
24.0										
25						25.0 Silty clay: (0,0,40,60); medium dense; low plasticity; damp.	CL			T.D. = 25'
30										
35										
40										

DRAFT

SB/MW#: GP-19
#D-
Page 1 of 2
Sampler: E. Ferguson

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs
ELEVATION
SAMPLING DATE(S) 12-22-95 MONITORING DEVICE PID (OVM) Model 580B
SAMPLING METHOD START FINISH
MEMO SUBCONTRACTOR & EQUIPMENT Vironex - Geoprobe

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						0.0				
			4.0 6.0			Silty sand: (0,65,45,0); dark brown (7.5YR 3/2); (5% medium, 45% fine, 50% very fine sand); poorly graded; medium dense; damp.	SM			Backfilled with Hydrated Bentonite Granules
5										
10			9.0 11.0			10.0				
						Sand: (0,90,10,0); dark brown (7.5YR 3/2); (10% medium, 90% fine to very fine sand); poorly graded; medium dense; damp.	SP			
15			14.0 16.0			@15' Sand: (0,100,0,0); brown (7.5YR 4/3); (60% medium, 20% fine, 20% very fine sand); graded; medium dense; damp.				
20			19.0 21.0			20.0				
						Silty sand: (0,70,30,0); brown (7.5YR 4/4); (100% fine to very fine sand); poorly graded; dense; dry.	SM			
25			24.0 26.0			@25' Same as 20'.				
30			29.0			30.0				

Continued Next Page

SB/MW#: GP-19
#D-
Page 2 of 2
Sampler: E. Ferguson

DRAFT

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
			31.0			Sandy silt: (0,15,80,15); brown (10YR 4/3); non-plastic; stiff; dry.	ML			
35			34.0 36.0			@35' Sandy silt: (0,23,70,7); brown (10YR 4/3); non-plastic; stiff; damp.				
40			39.0 41.0			40.0				
						41.0 Sand: (5,95,0,0); dark gray (salt and pepper) (2.5Y 4/1); (25% very coarse to coarse, 50% medium, 25% fine sand); well graded; dense; damp.	SW			T.D. = 41'
45										
50										
55										
60										
65										

SB/MW#: GP-20
#D-
Page 1 of 2
Sampler: E. Ferguson

SOIL DRILLING LOG

DRAFT

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs
ELEVATION
SAMPLING DATE(S) 12-22-95 MONITORING DEVICE PID (OVM) Model 580B
SAMPLING METHOD START FINISH
MEMO SUBCONTRACTOR & EQUIPMENT Vironex - Geoprobe

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						0.0				
			4.0 6.0			Silty sand: (0,65,45,0); dark brown (7.5YR 3/2); (5% medium, 45% fine, 50% very fine sand); poorly graded; medium dense; damp.	SM			Backfilled with Hydrated Bentonite Granules
5										
			9.0 11.0			10.0				
10						Sand: (0,90,10,0); dark brown (7.5YR 3/2); (10% medium, 90% fine to very fine sand); poorly graded; medium dense; damp.	SP			
			14.0 16.0			@15' Sand: (0,100,0,0); brown (7.5YR 4/3); (60% medium, 20% fine, 20% very fine sand); graded; medium dense; damp.				
15										
			19.0 21.0			20.0				
20						Silty sand: (0,70,30,0); brown (7.5YR 4/4); (100% fine to very fine sand); poorly graded; dense; dry.	SM			
			24.0 26.0			@25' Same as 20'.				
25										
			29.0			30.0				
30										

Continued Next Page

SB/MW#: GP-20
#D-
Page 2 of 2
Sampler: E. Ferguson

SOIL DRILLING LOG

DRAFT

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd, Santa Fe Springs

Depth Below Surface (ft.)	Penetration Results Blows 6"-6"-6"	BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
			31.0			Sandy silt: (0,15,80,15); brown (10YR 4/3); non-plastic; stiff; dry.	ML			
			34.0							
35			36.0			@35' Sandy silt: (0,23,70,7); brown (10YR 4/3); non-plastic; stiff; damp.				
			39.0							
40			41.0			40.0				
						41.0 Sand: (5,95,0,0); dark gray (salt and pepper) (2.5Y 4/1); (25% very coarse to coarse, 50% medium, 25% fine sand); well graded; dense; damp.	SW			T.D. = 41'
45										
50										
55										
60										
65										

SB/MW#: GP-21
#D-
Page 1 of 2
Sampler: E. Ferguson

DRAFT

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs
ELEVATION
MONITORING DEVICE PID (OVM) Model 580B
SAMPLING DATE(S) 12-22-95 START FINISH
SAMPLING METHOD SUBCONTRACTOR & EQUIPMENT Vironex - Geoprobe
MEMO

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						0.0				
5			4.0 6.0			Silty sand: (0,65,45,0); dark brown (7.5YR 3/2); (5% medium, 45% fine, 50% very fine sand); poorly graded; medium dense; damp.	SM			Backfilled with Hydrated Bentonite Granules
10			9.0 11.0			10.0				
15			14.0 16.0			Sand: (0,90,10,0); dark brown (7.5YR 3/2); (10% medium, 90% fine to very fine sand); poorly graded; medium dense; damp. @15' Sand: (0,100,0,0); brown (7.5YR 4/3); (60% medium, 20% fine, 20% very fine sand); graded; medium dense; damp.	SP			
20			19.0 21.0			20.0				
25			24.0 26.0			Silty sand: (0,70,30,0); brown (7.5YR 4/4); (100% fine to very fine sand); poorly graded; dense; dry. @25' Same as 20'.	SM			
30			29.0			30.0				

Continued Next Page

SB/MW#: GP-21
#D-
Page 2 of 2
Sampler: E. Ferguson

SOIL DRILLING LOG

DRAFT

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
			31.0			Sandy silt: (0,15,80,15); brown (10YR 4/3); non-plastic; stiff; dry.	ML			
			34.0							
35			36.0			@35' Sandy silt: (0,23,70,7); brown (10YR 4/3); non-plastic; stiff; damp.				
			39.0							
40			41.0			40.0				
						41.0 Sand: (5,95,0,0); dark gray (salt and pepper) (2.5Y 4/1); (25% very coarse to coarse, 50% medium, 25% fine sand); well graded; dense; damp.	SW			T.D.=41'
45										
50										
55										
60										
65										

SB/MW#: GP-22
#D-
Page 1 of 2
Sampler: E. Ferguson

DRAFT

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd, Santa Fe Springs
ELEVATION MONITORING DEVICE PID (OVM) Mod 580B
SAMPLING DATE(S) 12-27-95 START FINISH
SAMPLING METHOD SUBCONTRACTOR & EQUIPMENT Vironex - Geoprobe
MEMO

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						0.0				
			4.0 6.0			**Silty sand:** (0,60,40,0); dark brown (7.5YR 3/2); (5% medium, 45% fine, 50% very fine sand); poorly graded; medium dense; damp.	SM			Backfilled with Hydrated Bentonite Granules
5										
			9.0 11.0							
10						10.0				
						Sand: (0,90,10,0); dark brown (7.5YR 3/2); (10% medium, 90% fine to very fine sand); poorly graded; medium dense; damp.	SP			
			14.0 16.0							
15						15.0				
						Silt: (0,5,95,0); brown (7.5YR 5/4); non-plastic; stiff; damp.	ML			
			19.0 21.0							
20						@20' **Clayey Silt:** (0,0,90,10); light brown (7.5YR 6/4); low plasticity; stiff; dry; odorous.				
			24.0 26.0							
25						**Silt:** (0,5,90,5); brown; (7.5YR 5/4); low plasticity; stiff; dry.				
			29.0							
30										

Continued Next Page

SB/MW#: GP-22
#D-
Page 2 of 2
Sampler: E. Ferguson

SOIL DRILLING LOG

DRAFT

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
			31.0			@30' Sandy silt: (0,15,80,5); brown (10YR 4/3); non-plastic; stiff; dry.				
35			34.0 36.0			@35' Sandy silt: (0,25,70,5); brown (10YR 4/3); non-plastic; stiff; damp.				
40			39.0 41.0			40.0 41.0 Sand: (5,95,0,0); dark gray (salt and pepper) (2.5Y 4/1); (25% very coarse to coarse, 50% medium, 25% fine sand); well graded; dense; damp.	SW			T.D. = 41'
45										
50										
55										
60										
65										

SB/MW#: GP-23
#D-
Page 1 of 2
Sampler: E. Ferguson

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs
ELEVATION MONITORING DEVICE PID (OVM) Mod 580B
SAMPLING DATE(S) 12-27-95 START FINISH
SAMPLING METHOD SUBCONTRACTOR & EQUIPMENT Vironex - Geoprobe
MEMO

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						0.0				
			4.0 6.0			Silty sand: (0,60,40,0); dark brown (7.5YR 3/2); (5% medium, 45% fine, 50% very fine sand); poorly graded; medium dense; damp.	SM			Backfilled with Hydrated Bentonite Granules
5										
10			9.0 11.0			10.0				
						Sand: (0,90,10,0); dark brown (7.5YR 3/2); (10% medium, 90% fine to very fine sand); poorly graded; medium dense; damp.	SP			
15			14.0 16.0			15.0				
						Silt: (0,5,95,0); brown (7.5YR 5/4); non-plastic; stiff; damp.	ML			
20			19.0 21.0			@20' Clayey silt: (0,0,90,10); light brown (7.5YR 6/4); low plasticity; stiff; dry; odorous.				
25			24.0 26.0			Silt: (0,5,90,5); brown; (7.5YR 5/4); low plasticity; stiff; dry.				
30			29.0							

Continued Next Page

SB/MW#: GP-23
#D-
Page 2 of 2
Sampler: E. Ferguson

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
			31.0			@30' Sandy silt: (0,15,80,5); brown (10YR 4/3); non-plastic; stiff; dry.				
			34.0							
35			36.0			@35' Sandy silt: (0,25,70,5); brown (10YR 4/3); non-plastic; stiff; damp.				
			39.0							
40			41.0			40.0				
						41.0 Sand: (5,95,0,0); dark gray (salt and pepper) (2.5Y 4/1); (25% very coarse to coarse, 50% medium, 25% fine sand); well graded; dense; damp.	SW			T.D. = 41'
45										
50										
55										
60										
65										

SB/MW#: GP-24
#D-
Page 1 of 2
Sampler: E. Ferguson

DRAFT

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs
ELEVATION
MONITORING DEVICE PID (OVM) Mod 580B
SAMPLING DATE(S) 12-27-95 START FINISH
SAMPLING METHOD SUBCONTRACTOR & EQUIPMENT Vironex - Geoprobe
MEMO

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description – Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						0.0				
5			4.0 6.0			**Silty sand:** (0,60,40,0); dark brown (7.5YR 3/2); (5% medium, 45% fine, 50% very fine sand); poorly graded; medium dense; damp.	SM			Backfilled with Hydrated Bentonite Granules
10			9.0 11.0			10.0				
						Sand: (0,90,10,0); dark brown (7.5YR 3/2); (10% medium, 90% fine to very fine sand); poorly graded; medium dense; damp.	SP			
15			14.0 16.0			15.0				
						Silt: (0,5,95,0); brown (7.5YR 5/4); non-plastic; stiff; damp.	ML			
20			19.0 21.0			@20' **Clayey silt:** (0,0,90,10); light brown (7.5YR 6/4); low plasticity; stiff; dry; odorous.				
25			24.0 26.0			**Silt:** (0,5,90,5); brown; (7.5YR 5/4); low plasticity; stiff; dry.				
30			29.0							

Continued Next Page

SB/MW#: GP-24
#D-
Page 2 of 2
Sampler: E. Ferguson

SOIL DRILLING LOG

DRAFT

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd, Santa Fe Springs

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
			31.0			@30' Sandy silt: (0,15,80,5); brown (10YR 4/3); non-plastic; stiff; dry.				
35			34.0 36.0			@35' Sandy silt: (0,25,70,5); brown (10YR 4/3); non-plastic; stiff; damp.				
40			39.0 41.0			40.0 41.0 Sand: (5,95,0,0); dark gray (salt and pepper) (2.5Y 4/1); (25% very coarse to coarse, 50% medium, 25% fine sand); well graded; dense; damp.	SW			T.D. = 41'
45										
50										
55										
60										
65										

SB/MW#: MB-1
#D- 15591-93
Page 1 of 2
Sampler: T. Overturf

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs
ELEVATION MONITORING DEVICE PID
SAMPLING DATE(S) 12-29-95 START 7:15 AM FINISH 9:00 AM
SAMPLING METHOD CA MOD SPLIT SPOON SUBCONTRACTOR & EQUIPMENT BC2 Environmental
MEMO Hand Augered 1st 5 feet.

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						0.0 Dirt surface.				
5	5-8-16		5.0 6.5	-	25	@5' sandy silt: (0,30,60,10); strong brown (7.5Yr 4/6); (100% medium); dense; damp.			■	8" Diameter Borehole
10	18-22-27		10.0 11.5	-	85				■	Backfilled with Hydrated Bentonite Chips
15	16-22-29		15.0 16.5	-	117	@15' Clayey silt: (0,0,90,10); olive brown (2.5Y 4/4); low plasticity; dense; dry to damp.	ML		■	
20	15-21-27		20.0 21.5	-	40	@20' Silt: (0,0,100,0); light olive brown (2.5Y 5/4); medium dense; dry.			■	
25	14-25-30		25.0 26.5	MB-1-25	151	25.0 Silt and clay: (0,0,50,50); olive brown (2.5Y 4/3); medium to low plasticity; damp.	ML/ CL		■	
30						30.0				

Continued Next Page

SB/MW#: MB-1
#D- 15591-93
Page 2 of 2
Sampler: T. Overturf

SOIL DRILLING LOG

DRAFT

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs

Depth Below Surface (ft.)	Penetration Results Blows 6"-6"-6"	BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
	16-24-29		30.0 31.5	MB-1-30	79	**Silt**: (0,0,95,5); dark yellowish brown (10YR 4/4); medium dense; damp.	ML			
35	15-27-30		35.0 36.5	MB-1-35	94					
40	15-21-25		40.0 41.5	MB-1-40	72	@40' Micaceous.				
45	17-21-50		45.0 46.5	MB-1-45	21	45.0 **Sand**: (5,90,5,0); olive brown (2.5Y 4/2); (25% very coarse, 60% medium, 15% fine); moderate graded; dense; damp.	SP			
50	25-50		50.0 51.5	MB-1-50	22					
55	17-23-35		55.0 56.5	MB-1-55	17	@55' Becomes coarser.				
60	16-21-31		59.0 60.5	MB-1-59	11	59.0 **Silty sand**: (10,80,10,0); very dark gray (2.5Y 3/1); (50% very coarse, 30% coarse; 20% fine); angular; moist to damp. 60.5	SM			T.D. = 60.5'
65										

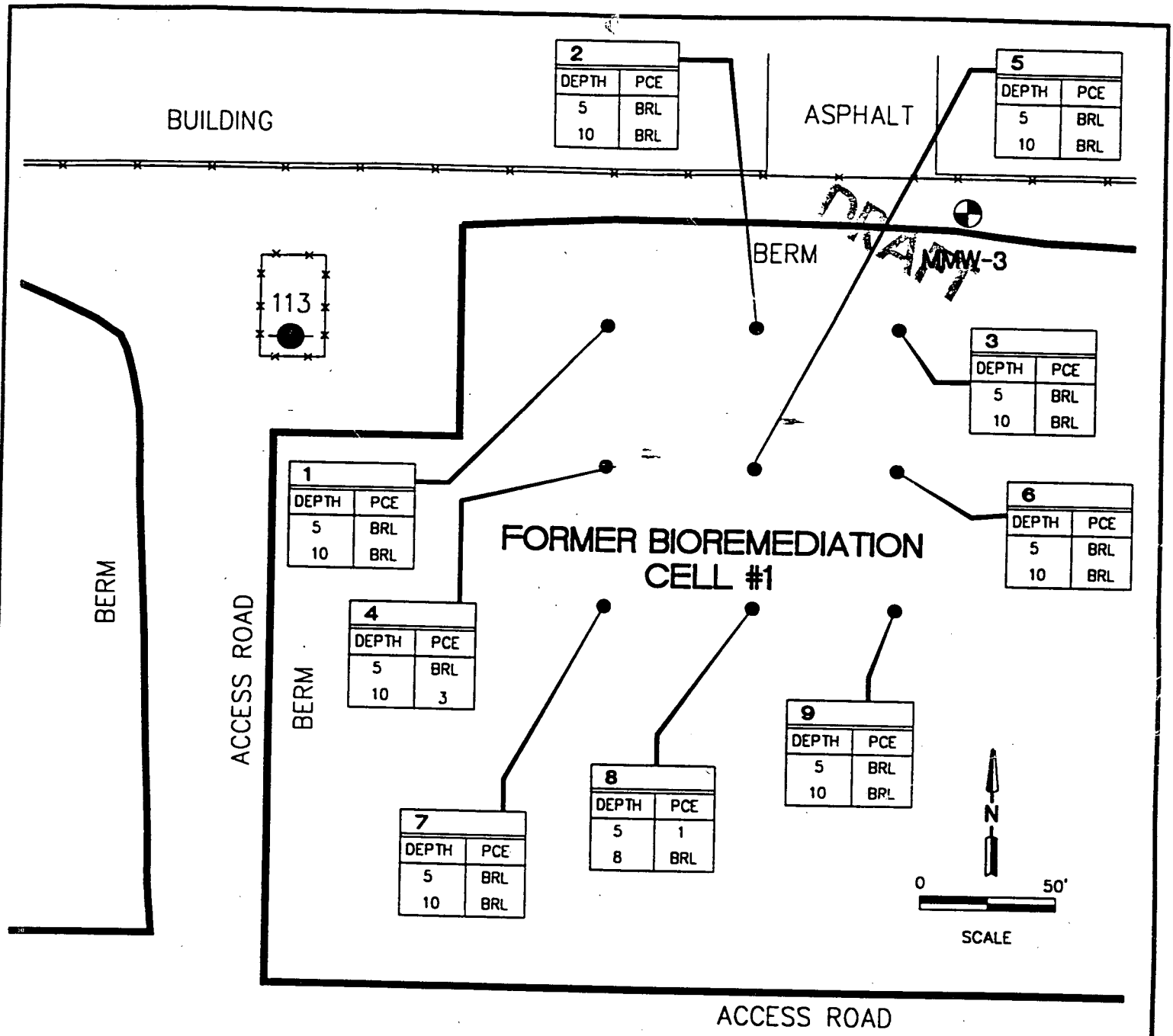
SB/MW#: MB-2
#D- 15594-96
Page 1 of 2
Sampler: T. Overturf

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs
ELEVATION MONITORING DEVICE PID
SAMPLING DATE(S) 12-29-95 START 9:15 AM FINISH 11:00 AM
SAMPLING METHOD CA MOD SPLIT SPOON SUBCONTRACTOR & EQUIPMENT BC2 Environmental
MEMO Hand Augered 1st 5 feet.

Depth Below Surface (ft.)	Penetration Results Blows 6"-6"-6"	BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						0.0 Dirt surface.				
5	15-21-30		5.0 6.5	-	27	@5' Silt: (0,0,98,2); dark yellowish brown (7.5YR 3/4); non-plastic; medium dense; damp.	ML			8" Diameter Borehole
10	17-20-23		10.0 11.5	-	132	@10' Very dark grayish brown (2.5Y 3/2).				Backfilled with Hydrated Bentonite Chips
15	14-19-24		15.0 16.5	-	1169 996	@15' Strong solvent odor; 1 1/2 thick black layer at 16.0' looks like solvent; 10% clay content.				
20	15-23-25		20.0 21.5	-	140	@20' Silt: (0,0,100,0); olive gray (5Y 5/2).				
25	17-22-25		25.0 26.5	MB-2-25	170	@25' Light olive brown (2.5Y 5/3); micaceous.				
30										

Continued Next Page



LEGEND

NOTES:	SITE MAP MODIFIED FROM LEVINE-FRICKE (1991c).
113	OPERATIONAL OIL WELL
	CHAIN LINK FENCE
●	SOIL GAS SAMPLE LOCATION
(ppb)	CONCENTRATIONS IN PARTS PER BILLION

McLaren Hart
16755 VON KARMAN AVENUE, IRVINE, CA 92714
TEL. (714)756-2667 FAX (714) 756-8460

FIGURE 15
SOIL GAS SURVEY RESULTS
FORMER TRUCKING OPERATING AREA
MOBIL-JALK FEE PROPERTY
10307 NORWALK BLVD.
SANTA FE SPRINGS, CALIFORNIA

DRAWN BY:	DATE:	PROJECT NAME:
E. Muresan	10-5-94	MOBIL
CHECKED BY: E. Ferguson	DATE: 02/01/96	PROJECT NUMBER: 03.001382.000
APPROVED BY: T. Bubier	DATE: 02/01/96	REVISION DATE: 01/31/96 vlb / DRAWING FILE # 15

SB/MW#: MB-2
#D- 15594-96
Page 2 of 2
Sampler: T. Overturf

SOIL DRILLING LOG

DRAFT

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs

Depth Below Surface (ft.)	Penetration Results Blows 6"-6"-6"	BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
	20-25-50		30.0 31.5	MB-2-30	76					
35	20-27-30		35.0 36.5	MB-2-35	167					
40	35-50		40.0 41.5	MB-2-40	22	40.0 Silty sand: (0,95,5,0); olive gray (5Y 5/2); (100% fine sand); dense; damp.	SM			
45	21-26-50		45.0 46.5	MB-2-45	13	45.0 Sand: (5,90,5,0); dark gray (2.5Y 4/1); (35% very coarse, 35% coarse, 30% medium to fine); damp.	SP			
50	21-50		50.0 51.5	MB-2-50	0.7					
55	19-25-30		55.0 56.5	MB-2-55	16	@55' Becomes coarser.				
60	18-22-27		60.0 61.5	MB-2-59	31	60.5				T.D. = 60.5'
65										

SB/MW#: MACRO
#D-
Page 1 of 3
Sampler: E. Ferguson

SOIL DRILLING LOG

DRAFT

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs
ELEVATION MONITORING DEVICE HNU (OVM) Model 580B
SAMPLING DATE(S) 12-22-95 START FINISH
SAMPLING METHOD SUBCONTRACTOR & EQUIPMENT Vironex - Geoprobe
MEMO Continuous core.

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description, Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						0.0 Silty sand: (2,58,40,0); dark brown (7.5YR 3/3); (5% coarse, 20% medium, 50% fine, 25% very fine sand); well-graded; medium; dense; dry to damp.	SM			
						4.0 Sandy silt/Silty sand: (0,50,50,0); dark brown (7.5YR 3/2); (5% medium, 45% fine, 50% very fine sand); poorly graded; medium dense; damp; odorous.	SM/ ML			
5										Backfilled with Hydrated Bentonite Granules
10						10.0 Sand: (0,90,10,0); dark brown (7.5YR 3/2); (10% medium, 90% fine to very fine sand); poorly graded; medium dense; damp; odorous.	SP			
						12.5 Sand: (0,100,0,0); brown (7.5YR 4/3); (60% medium, 20% fine, 20% very fine sand); well graded; medium dense to dense; damp; odorous.	SW			
15										

Continued Next Page

SB/MW#: MACRO
#D-
Page 2 of 3
Sampler: E. Ferguson

DRAFT

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						15.5				
						16.0 **Silt**: (0,5,95,0); brown (7.5YR 5/4); non-plastic; stiff; damp; odorous.	ML			
						16.5 **Silty sand**: (0,70,30,0); dark grayish brown (10YR 4/2); (100% fine to very fine sand); poorly graded; dense; dry; odorous.	SM			
						Sand: (0,95,5,0); brown (7.5YR 4/4); (100% fine to very fine sand); poorly graded; dense; dry. (Silt on the bottom tip approx 1"); odorous.	SP			
20						20.0 **Silty sand**: (0,70,30,0); brown (7.5YR 4/4); (100% fine to very fine sand); poorly graded; dense; dry; odorous.	SM			
						23.0 **Clayey silt**: (0,0,90,10); light brown (7.5YR 6/4); low plasticity; stiff; dry; odorous.	ML			
						24.0 **Silty sand**: (0,70,30,0); brown (7.5YR 4/4); (100% fine to very fine sand); poorly graded; dense; dry; odorous.	SM			
25						29.0 **Clayey silt**: (0,0,90,10); brown (7.5YR 5/4); low plasticity; stiff; dry; odorous.	ML			
30						30 0 **Sandy silt**: (0,15,80,5); brown (10YR 4/3); non-plastic; stiff; dry; little recovery; odorous.	ML			

Continued Next Page

SB/MW#: MACRO
#D-
Page 3 of 3
Sampler: E. Ferguson

DRAFT

SOIL DRILLING LOG

PROJECT Mobil Jalk Fee LOCATION 10607 Norwalk Blvd., Santa Fe Springs

Depth Below Surface (ft.)	Penetration Results: Blows 6"-6"-6"	Penetration Results: BPF	Sampler Depth Interval (ft.)	Sample ID #	Hnu Reading (ppm)	Soil Description Color, Texture, Moisture, Etc.	Unified Class.	Graphic Log	Sample Depth	Borehole Abandonment/ Well Construction Details
						33.0				
						Sandy silt: (0,28,70,2); brown (10YR 4/3); non-plastic; stiff; damp.	ML			
						34.5				
35						Sandy silt: (0,23,70,7); brown (10YR 4/3); non-plastic; stiff; damp.	ML			
						37.0				
						Silty sand: (5,75,20,0); dark grayish brown (2.5Y 4/2); (25% coarse to very coarse, 50% medium, 25% fine sand); well graded; dense; damp.	SM			
						39.0				
40						Sand: (5,95,0,0); dark gray (2.5Y 4/1); (salt and pepper); (25% very coarse to coarse, 50% medium, 25% fine sand); well graded; dense; damp.	SW			
						42.0				T.D. = 42'
45										
50										

Appendix C

Aerial Photograph Review Report

McLaren Hart®

ENVIRONMENTAL ENGINEERING CORPORATION

January 29, 1996

Mr. Tom Walker
Senior Petroleum Engineer
Mobil Exploration and Producing U.S. Inc.
10735 South Shoemaker Avenue
Santa Fe Springs, CA 90670

DRAFT

RE: AERIAL PHOTOGRAPH REVIEW OF THE JALK FEE PROPERTY LOCATED AT 10607 NORWALK BOULEVARD, SANTA FE SPRINGS, CALIFORNIA

Dear Mr. Walker:

This report summarizes McLaren/Hart's recent aerial photograph review for the Jalk Fee Property located at 10607 Norwalk Boulevard, Santa Fe Springs, California. This work was performed as part of the change order entitled "Change Order for Mobil Jalk Fee Property, 10607 Norwalk Boulevard, Santa Fe Springs, California" dated December 19, 1995. The following are the results of the aerial photograph review conducted during the weeks of December 11 and 18, 1995.

Historical property use information was derived from a review of historical aerial photographs obtained from McLaren/Hart's files and available records at UCLA and Whittier College. Most photographic records were taken at altitudes that make the observations of buildings clear, although, smaller features could not be defined.

1927 (C-278-D8; McLaren/Hart)

It should be noted that the clarity of the aerial photograph was poor.

The subject site was orchards with one long and one short rectangular building on the west side of the subject site adjacent to an oil derrick. There appeared to be two additional oil derricks in the central portion and two ASTs on the southeast side of the subject site.

The property to the north appeared to have some ASTs and oil derricks.

The property to the south was orchards.

To the east of the subject site was Norwalk Boulevard, across which appeared to be undeveloped land.

16755 Von Karman Avenue, Irvine, CA 92714 (714) 756-2667 FAX (714) 756-8460

DRAFT

The property to the west was orchards with approximately 16 ASTs further west.

1927 (113-561, -562 & -563; Whittier College)

The following details were visible in this aerial photograph that weren't distinguishable on the previous aerial:

- Two buildings were noted in the northeast portion of the subject site;
- Four ASTs and two buildings were noted in the southeast portion of the subject site;
- There were dark stains present on the soil adjacent to the two oil derricks that were furthest east and west on the subject site;
- Buildings were noted adjacent to the oil derricks located on the east and center areas of the subject site;
- The property to the north was developed with approximately 6 oil derricks along the center of the lot, approximately 2 to 3 ASTs in the southwest corner, 5 ASTs in the northwest portion of the lot, a few buildings in the center and a few buildings in the northeast corner. There were two dark stains located to the west of the ASTs in the southwest corner of the lot;
- There were approximately 3 buildings in the northeast corner of the property located to the south of the subject site;
- Approximately 2 ASTs and 2 oil derricks were noted on the property to the east of the subject site;
- Oil derricks were noted on the property to the west of the subject site.

1928 (C-278-D7; McLaren/Hart)

The subject site and surrounding properties appeared similar to the 1927 aerial photographs (113-561, -562 & -563; Whittier).

1928 (C300 M228; McLaren/Hart)

It should be noted that the clarity of this aerial photograph was poor.

The following changes were noted on the subject site:

- The subject site was developed with approximately 10 ASTs in the southeast corner;
- There was a dark rectangular area in the middle of the lot on both the eastern and western halves of the subject site;
- There appeared to be a rectangular building in the center of the subject site with two ASTs to the north of this building;
- There appeared to only one structure located in the northeast corner of the property located to the south of the subject site;

1928 (C300 K353; Whittier College)

The following details were visible in this aerial photograph that weren't distinguishable on the previous aerial:

- Two dark stains were noted to the east of the ASTs in the southeast corner of the subject site;
- There appeared to be two additional buildings located in the northeast corner of the subject site;
- There appeared to be a structure in the southwest corner of the subject site;
- Approximately 7 ASTs were noted in the northeast section and approximately 7 to 8 ASTs were noted in the northwest section of the property located to the north of the subject site;
- Approximately 5 ASTs were noted on the property located to the east of the subject site.

1928 (C300 K 379; Whittier College)

The subject site and surrounding properties appeared similar to the other 1928 aerial photographs, except that it appeared there were two structures along the southern border (in the center) of the subject site.

1928 (C278-D6, -D7 & -D8; Whittier College)

The subject site and surrounding properties appeared similar to the previous 1928 aerial photographs.

April 28, 1938 (5147-6 & -7; Whittier College)

The subject site was developed with 2 structures in the northeast corner with a pond/lagoon to the south, a building further south, and an oil derrick to the east. On the northern border in the center and western portion of the lot there was an oil derrick with a building to the east of each derrick. On the east side of the lot towards the south there were 3 small buildings with 6 ASTs to the west; it appeared that there was a pipeline to the south of the ASTs. This area also appeared to be divided into 10 bermed sections.

The property to the north of the subject site was developed with 7 ASTs in the southwest corner, 6 ASTs in the northwest corner, 5 ASTs in the center towards the east and two ponds/lagoons in the center of the lot. There also appeared to be a rectangular structure and a circular structure in the southeast corner of the lot.

The property to the south was orchards. The building in the northeast corner was no longer visible.

To the east of the subject site was Norwalk Boulevard, across which were a few small buildings, approximately 3 to 5 ASTs and an oil derrick with a building adjacent to the derrick.

The property to the west was graded with a few oil derricks.

January 1, 1945 (C-9250 75; McLaren/Hart)

The subject site was developed with buildings in the northeast corner; the number of buildings was not distinguishable. There were approximately three to five ASTs in the northwest corner of the subject site. There were also two oil derricks on the subject site; one was located in the center of the east side of the lot and the other was located in the northwest corner adjacent to the ASTs. There also appeared to be two small buildings next to the ASTs; one to the north and one to the east.

The property to the north had approximately three ASTs in the southeast corner of the property and twelve ASTs on the west side of the property, six of which were located along the southern property line. There were also two oil derricks on the east side and approximately two to three oil derricks on the west side of the property.

The property to the south was developed with approximately four oil derricks and a few buildings.

To the east of the subject site was Norwalk Boulevard across which was approximately two to three ASTs and one oil derrick.

To the west of the subject site were a few small buildings.

January 1, 1945 (C-9250-74, -75 & -76 and C-9250-97 & -98; Whittier College)

The subject site and surrounding properties appeared similar to the other January 1945 aerial photograph. However, it should be noted that these aerials did not cover the western portion of the subject site or the properties to the west of the subject site.

June 18, 1947 (C-11351 #8-67; McLaren/Hart)

The subject site and immediate surrounding areas appeared similar to the January 1945 aerial photographs.

February 8, 1949 (C-13373-2-59, -60 & -84; Whittier College)

The subject site and immediate surrounding areas appeared similar to the June 1947 aerial photograph.

November 11, 1949 (E63-8, -9 & -10; UCLA)

The subject site and immediate surrounding areas appeared similar to the February 1949 aerial photograph.

January 13, 1950 (0-11086; UCLA)

The subject site remained the same as in the 1940s aerial photographs with the following exceptions:

- There appeared to be four oil derricks in this aerial photograph, instead of two, and
- A building was visible to the north of the oil derrick located in the north central portion of the subject site.

The surrounding properties also remained similar with the exception of additional oil derricks.

December 24, 1950 (11793 & 11794; UCLA)

The subject site and surrounding properties appeared similar to the January 1950 aerial photograph.

December 24, 1950 (11784-63; UCLA)

The subject site and surrounding properties appeared similar to the January 1950 aerial photograph. However, it should be noted that the aerial photograph did not cover the western portion of the subject site or the properties to the west of the subject site.

January 7, 1951 (E63-12, -14, -15 & -16; UCLA)

The subject site and the surrounding properties appeared similar to the 1950 aerial photographs with the following exceptions:

- There were several dark spots in the center of the subject site and six ASTs were visible in the northwest corner of the subject site.
- It appeared that there were two ponds/lagoons (dark rectangles) on the property to the north of the subject site; one was located in the middle of the western portion of the lot and the other was located in the middle of the eastern portion of the lot.

May 8, 1953 (C-19375-6-44, -45 & -46 and C-19400-2-22, -23, -24 and C-19400-1-17; Whittier College)

The subject site was developed with 4 buildings in the northeast corner and 4 ASTs in the northwest corner of the subject site. There were approximately 2 oil derricks along the southern boundary and one oil derrick along the northern boundary.

The surrounding area appeared similar to the January 1951 aerial photograph.

October 19, 1953 (AXJ-1952-13K-148; McLaren/Hart)

The subject site and surrounding area appeared similar to the May 1953 aerial photograph.

August 30, 1954 (E-63-58 & -59; UCLA)

Based on the scale and angle of the aerial photograph, individual features were hard to distinguish on the subject site as well as the surrounding properties.

August 9, 1955 (C-22218A-1-36; Whittier College)

The subject site appeared similar to the October 1953 aerial photograph except that a structure was observed towards the center of the lot to the west of the existing buildings.

The surrounding properties appeared similar to the May 1953 aerial photograph except that there appeared to be more buildings in the southeast portion of the property located south of the subject site.

August 15, 1955 (C-2221813-40 & -79; Whittier College)

The building in the center of the subject site towards the west of the buildings in the northeast was more visible. There was a chain linked fence around the building with vacant land to the west of the building (within the fence).

The remainder of the subject site and the surrounding properties appeared similar to the August 9, 1955 aerial photograph.

September 1955 (C-22246-1-20, -21, -26 & -27; Whittier College)

The subject site and surrounding properties appeared similar to the other 1955 aerial photographs.

July 15, 1956 (22555-20-42; McLaren/Hart)

The subject site was developed with buildings in the northeast corner, ASTs in the northwest corner and a building in the center of the lot on the east side of the lot. There also appeared to be a few buildings along the northern boundary in the center of the lot. On the western half of the lot were approximately three oil derricks.

The property to the north was mainly developed on the western half. There were 7 ASTs on the southwest corner of the lot (adjacent to the subject site). There were also a few oil derricks on the lot.

The property to the south was partially developed with a few buildings in the central portion of the lot. There were also a few oil derricks on the lot.

To the east of the subject site was Norwalk Boulevard, across which were a few small structures.

To the west of the subject site were a few buildings on a mainly undeveloped lot. There were also a few oil derricks on the lot.

August 24, 1956 (C-22596-1-56 & -57; Whittier College)

The subject site and the surrounding properties appeared similar to the July 1956 aerial photograph.

May 4, 1957 (84-V-1-5; McLaren/Hart)

The subject site and immediate surrounding properties appeared similar to the August 1956 aerial photograph.

January 17, 1958 (C-23023 #5-14; McLaren/Hart)

It should be noted that the features on the subject site and immediate surrounding properties were not clear due to the scale of the aerial photograph.

The subject site and immediate surrounding areas appeared similar to the May 1957 aerial photograph with the following exceptions:

- The building that was visible in the center of the eastern portion of the subject site and the buildings located along the northern boundary of the subject site in the 1957 aerial photograph were no longer visible;
- The eastern ⅔ of the subject site was graded; and
- There appeared to be 6 instead of 7 ASTs located in the southwest corner of the property located to the north of the subject site.

September 8, 1958 (C-23224-1-93 & -94 and C-23224-2-235 & -236; Whittier College)

The subject site and surrounding properties appeared similar to the January 1958 aerial photograph with the exception that the fenced in structure that was noted in the August 15, 1955 aerial photograph was again visible in this aerial photograph. Also, within this fenced in area, there was a dark stain on the soil adjacent to the building.

September 24, 1958 (E-63-108; UCLA)

Based on the scale and angle of the aerial photograph, individual features were hard to distinguish on the subject site as well as the surrounding properties.

1958 (C-23023-5-15; Whittier College)

Based on the scale and angle of the aerial photograph, individual features were hard to distinguish on the subject site as well as the surrounding properties.

December 23, 1960 (E-63-131 & -132; UCLA)

The subject site was developed with five buildings in the northeast corner of the lot. An oil derrick was visible near the buildings. Also, there were approximately 5 ASTs in the northwest corner of the subject site.

The property to the north was developed on both the east and west side. In the center of this lot, there was a rectangular building with approximately 4 stack pipes extending out of the roof. The lagoon/pond was visible on the east side of the property. There were also approximately 6 ASTs along the southern boundary in the southwest portion of the lot and approximately 5 ASTs along the northern boundary in the northwest portion of the lot. There were approximately 4 oil derricks on the property.

The property to the south was mainly undeveloped or agricultural land with four small structures in the center of the lot and several buildings (approximately 5 to 7) in the southeast corner of the lot.

To the east of the subject site was Norwalk Boulevard, across which were approximately 2 ASTs and a dark rectangular stain on the soil.

The property to the west of the subject site was an oil field.

March 13, 1962 (157V98; McLaren/Hart)

The subject site appeared similar to the December 1960 aerial photograph.

There were thirteen ASTs on the property to the north with seven of them on the south side bordering the subject site. There were also two oil rigs located on the western half of the property. In the center of the western half, there was a dark rectangular stain on the soil that resembled a pond or lagoon. On the eastern half of this property, there were two adjacent stains on the soil that resembled a pond or lagoon.

The property to the south was mainly undeveloped or agricultural land with a few small buildings in the center of the property and several buildings in the southeast corner of the property.

The property to the east (passed Norwalk Boulevard) is mainly undeveloped land with a few small buildings and between one and two ASTs.

To the west of the subject site was oil fields.

March 13, 1962 (157V86; McLaren/Hart)

DRAFT

The following features were noted in this aerial photograph that were not distinguishable in the previous March 13, 1962 aerial photograph:

- There appeared to be two standpipes at the southeast corner of the ASTs on the subject site.
- There appeared to be a structure to the east of the ASTs located on the subject site.
- There also appeared to be two rectangular structures in the southwest portion of the subject site.

The properties to the north, south, east and west appeared similar to the other March 13, 1962 aerial photograph (157V98;McLaren/Hart).

November 20, 1962 (C-24385-4-18 & -19; Whittier College)

The subject site and surrounding properties appeared similar to the other 1962 aerial photographs.

January 7, 1963 (E-63-144 & -145; UCLA)

Based on the scale and angle of the aerial photograph, individual features were hard to distinguish on the subject site as well as the surrounding properties.

June 24, 1963 (216V-56; McLaren/Hart)

The following differences were noted on the subject site from the March 1962 aerial photograph:

- To the south of the structures in the northeast corner, there was a dark horseshoe shaped stain on the soil;
- In the southwest corner was a dark circular stain on the soil;
- To the north of the ASTs, there was a small structure with a sloped roof.

The properties to the north, south, east and west appeared similar to the 1962 aerial photographs.

June 24, 1963 (216V55; McLaren/Hart)

The subject site and the surrounding properties appeared similar to the 216V55 aerial photograph.

DRAFT

August 22, 1964 (E-63-155; UCLA)

The subject site and the immediate surrounding areas appeared similar to the 1963 aerial photographs.

The property to the north was undeveloped on the eastern half of the property; however, it did appear that a portion of the lagoon/pond was still present. The remainder of the property appeared similar to the 1963 aerial photographs.

January 16, 1965 (E-63-161; UCLA)

Based on the scale and angle of the aerial photograph, individual features were hard to distinguish on the subject site as well as the surrounding properties.

April 11, 1966 (E-63-184 & -193; UCLA)

Based on the scale and angle of the aerial photograph, individual features were hard to distinguish on the subject site as well as the surrounding properties.

April 15, 1966 (E-63-198 & -199; UCLA)

It should be noted that the clarity of this aerial photograph was poor.

The subject site and the surrounding properties to the south, east and west appeared similar to the August 1964 aerial photograph.

The property to the north of the subject site appeared to be undeveloped.

September 23, 1968 (2400 5-218; McLaren/Hart)

The subject site was developed with buildings on the northeast corner and approximately 2 to 3 ASTs in the northwest corner.

The property to the north was undeveloped.

The property to the south was mainly undeveloped with some buildings in the southeast corner of the lot.

DRAFT

To the east of the subject site was Norwalk Boulevard, across which were two commercial/industrial buildings.

The property to the west was mainly undeveloped with a few oil derricks.

February 3, 1969 (E-63-232; UCLA)

There were no significant changes noted to either the subject site or the surrounding properties from the September 1968 aerial photograph.

March 22, 1976 (7600 7-14; McLaren/Hart)

The subject site was developed with a long rectangular building in the northeast corner of the lot with 3 smaller buildings to the west. There were ASTs in the northwest corner.

The property to the north was developed with commercial/industrial buildings.

The property to the south was developed with a building in the northeast corner (adjacent to the subject site).

To the east of the subject site was Norwalk Boulevard, across which was a commercial/industrial area.

The property to the west was mainly undeveloped.

October 28, 1980 (1280-119; McLaren/Hart)

It should be noted that due to the scale of this aerial photograph, individual features on the subject site as well as the surrounding properties were not clear.

The subject site and immediate surrounding area appeared similar to the March 1976 aerial photograph with the exception that there appeared to be only two buildings in the northeast corner of the subject site.

DRAFT

McLaren/Hart appreciates the opportunity to provide consulting services for Mobil Exploration and Producing U.S. Inc. If you have any questions, please do not hesitate to contact me at (714) 752-3268.

Sincerely,

Kristina L. Parke

Kristina L. Parke
Assistant Environmental Scientist

Donald G. Koch
Principal Regulatory Compliance Management

Appendix D

Chain-of-Custody and Laboratory Data Sheets

MBT Environmental
Laboratories

3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

Master Builders Technologies

Date: January 10, 1996
LP #: 13194

Everett Ferguson
McLaren/Hart, Inc.
16755 Von Karman Avenue
Irvine, CA 92714

Dear Mr. Ferguson:

Enclosed are the laboratory results for the samples submitted to MBT Environmental Laboratories on December 22, 1995, for the project *Mobil Jalk Fee*.

The report consists of the following sections:

1. Cover Page
2. Copy of Chain-of-Custody
3. General Narrative
4. Analytical and Quality Control Results

Unless otherwise instructed by you, samples will be disposed of two weeks from the date of this letter.

Thank you for choosing MBT Environmental Laboratories. We are looking forward to serving you in the future. Should you have any questions concerning this analytical report or the analytical methods employed, please do not hesitate to call.

Sincerely,

Chris Phillips
Project Coordinator

Enclosure: EDD

M[illegible] Environmental L[illegible]atories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

CHAIN OF CUSTODY RECORD 11217

E SIDE 2 FOR COMPLETE INSTRUCTIONS

Ship To: 1
Address:

Project Name: MOBIL JACK FEE
Project Number: 03.0601414.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13194
Storage Refrigerator ID: 4-5, 7, 712-A
Storage Freezer ID:

Sampler Name: MIKE WARRINER
Signature: [signature]
PPE Worn in Field: LEVEL D

Relinquished By: [signature] Mike WARRINER — Date/Time: 12/21/95 1747
Received By or Method of Shipment/Shipment I.D.: Pedro Fuentes — Date/Time: 12-21 · 1745

Relinquished By: EXPRESS IT — Date/Time: 12/22/95 [illegible]
Received By or Method of Shipment/Shipment I.D.: [signature] — Date/Time: 12/22/95 [illegible]

Relinquished By: — Date/Time:
Received By or Method of Shipment/Shipment I.D. — Date/Time:

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8240	8015m FS	8020	
1 13194-001	MH-41	12/21	830A	MH-4	5 ft	2	brass	soil	None	2 wk		X	X	
2 002	MH-4-2	12/21	840	↑	10 ft	↑	↑	↑	↑	↑		X	X	
3 003	MH-4-3	12/21	845	↑	15 ft	↑	↑	↑	↑	↑		X	X	← HOLD
4 004	MH-4-4	↑	900	↑	20 ft	↑	↑	↑	↑	↑	X			
5 005	MH-4-5	↑	930	↓	30 ft	↑	↑	↑	↑	↑	X			
6 006	MH-4-6	↑	1005	MH-4	40 ft	↑	↑	↑	↑	↑	X			
7 007	MH-5-1	↑	1025	MH-5	5 ft	↑	↑	↑	↑	↑		X	X	
8 008	MH-5-2	↑	1035	MH-5	10 ft	↑	↑	↑	↑	↑		X	X	
9 009	MH-5-3	↓	1045	MH-5	15 ft	↓	↓	↓	↓	↓		X	X	← HOLD
10 010	MH-6-1	12/21	1100	MH-6	5 ft	2	BRASS	SOIL	NONE	2 wk		X	X	

Special Instructions/Comments:

Container Types:
B=Brass Tube
G=Glass Jar
O=Other _____
A=1 Liter Amber
C=Cassette
P=Polyethylene
V=Voa Vial

TAT (Analytical Turn Around Time)
1 = 24 hours 2 = 48 hours
3 = 1 week 4 = 2 weeks
0 = Other _____

FOR LABORATORY USE ONLY Sample Condition Upon Receipt: [illegible]

SEND DOCUMENTATION AND RESULTS TO (Check one):
☒ Project Manager/Office: EVERETT FERGUSON
☐ Client Name:
Company:
Address:
Phone: FAX:

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

Environmental Laboratories
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

CHAIN OF CUSTODY RECORD 11225

SEE SIDE 2 FOR COMPLETE INSTRUCTIONS

Ship To:
Address:

Project Name: MOBIL JALK FEE
Project Number: 03.0601414.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13194
Storage Refrigerator ID: 4-5, 8, 7, 12 A
Storage Freezer ID:

Sampler Name: MIKE WARRINER
Signature: [signature]
PPE Worn in Field: LEVEL D

Relinquished By: Mike Warriner [signature] Date/Time: 12/21/95 1747
Received By or Method of Shipment/Shipment I.D.: Pedro Furbuetts Date/Time: 12-21 1745

Relinquished By: EXPRESS IT Date/Time: 12/22/95 [illegible]
Received By or Method of Shipment/Shipment I.D.: Cindy N. Date/Time: 12/22/95 [illegible]

Relinquished By: Date/Time:
Received By or Method of Shipment/Shipment I.D.: Date/Time:

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID		Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8240	8015M (FS)	8020	
1	13194 011	MH-6-2	12/21	1105	MH-6	10 ft	2	BRASS	SOIL	—	2wk		X	X	
2	012	MH-6-3	↑	1115	MH-6	15 ft		↑	↑	—	↑		X	X	← HOLD
3	013	MH-2-1		1130	MH-2	5 ft		↓	↓	—		X	X		
4	014	MH-2-2		1135	MH-2	10 ft				—		X	X		
5	015	MH-2-3		1145	MH-2	15 ft		BRASS	SOIL	—	↓	X	X		← HOLD
6	016	RB-1		1155	RINSE BLANK 1	—	2	40 ml VOA	water	—	2wk	X			
7	017	RB-2		1155	RINSE BLANK 2	—	1	1 l amber	water	—	2wk		X		
8	018	MH-7-1		1305	MH-7	5 ft	2	BRASS	SOIL	—	2wk	X	X		
9	019	MH-7-2		1310	MH-7	10 ft	2	BRASS	SOIL	—	2wk	X	X		
10	020	MH-7-3	12 ↓	1315	MH-7	15 ft	2	BRASS	SOIL	—	2wk	X	X		← HOLD
11	021	RB-3	12/21	1155	RINSE BLANK	—	2	40 ml VOA	HCL		2wk			X	

Special Instructions/Comments:

11 SAMPLES ON SHEET

Container Types:
B=Brass Tube
G=Glass Jar
O=Other
A=1 Liter Amber
C=Cassette
P=Polyethylene
V=Voa Vial

TAT (Analytical Turn Around Time)
1 = 24 hours 2 = 48 hours
3 = 1 week 4 = 2 weeks
0 = Other

FOR LABORATORY USE ONLY Sample Condition Upon Receipt:

[illegible]

SEND DOCUMENTATION AND RESULTS TO (Check one):
☒ Project Manager/Office: EVERETT FERGUSON
☐ Client Name:
Company: MCLAREN HART
Address: IRVINE OFFICE
Phone: 714 752 3213 FAX:

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

M[illegible] Environmental L[illegible]atories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

SHIP 1C, 3/5

CHAIN OF CUSTODY RECORD 11223

E SIDE 2 FOR COMPLETE INSTRUCTIONS

Ship To: SEE ABOVE
Address:

Project Name: MOBIL JALK FEE
Project Number: 03.06014.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13194
Storage Refrigerator ID: 4-5, 8, 11, 12-H
Storage Freezer ID:

Sampler Name: MIKE WARRINER
Signature:
PPE Worn in Field: LEVEL D

Relinquished By: MIKE WARRINER — Date/Time: 12/21 1747
Received By or Method of Shipment/Shipment I.D.: Pedro Fuentes — Date/Time: 12-21 1745

Relinquished By: EXPRESS IT — Date/Time: 12/22/95
Received By or Method of Shipment/Shipment I.D.: Cindy N. — Date/Time: 12/22/95

Relinquished By: — Date/Time:
Received By or Method of Shipment/Shipment I.D. — Date/Time:

Sample Disposal (check one)
- [x] Laboratory Standard
- [ ] Other

Level of QC (see Side 2): [x] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6A [ ] 6B [ ] 6C [ ] 6D [ ] 6E [ ] 6F [ ] 7 [ ] 8

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8240	8015m (FS)	8020							
1 13194-022	MH-7-4	12/21	1320	MH-7	1 ft	2	BRASS	SOIL	—	2WK	X	X		HOLD						
2 023	MH-8-1	↑	1345	MH-8	1 ft	↑	↑	↑	↑	↑	X	X								
3 024	MH-8-2		1350	MH-8	5 ft						X	X								
4 025	MH-8-3		1355	MH-8	10 ft						X	X								
5 026	MH-8-4		1405	MH-8	15 ft						X	X		HOLD						
6 027	MH-9-1		1410	MH-9	1 ft						X	X								
7 028	MH-9-2		1415	MH-9	5 ft						X	X								
8 029	MH-9-3		1420	MH-9	10 ft						X	X								
9 030	MH-9-4	↓	1430	MH-9	15 ft	↓	↓	↓	↓	↓	X	X		HOLD						
10 031	MH-10-1	12/21	1450	MH-10	1 ft	2	BRASS	SOIL	—	2wk	X	X								

Special Instructions/Comments:

Container Types: B=Brass Tube, G=Glass Jar, O=Other ____; A=1 Liter Amber, C=Cassette, P=Polyethylene, V=Voa Vial

TAT (Analytical Turn Around Time): 1 = 24 hours, 2 = 48 hours, 3 = 1 week, 4 = 2 weeks, 0 = Other ____

FOR LABORATORY USE ONLY Sample Condition Upon Receipt:
TEMP °C [illegible]

SEND DOCUMENTATION AND RESULTS TO (Check one):
- [x] Project Manager/Office: EVERETT FERGUSON
- [ ] Client Name:

Company: McLAREN/HART
Address: IRVINE OFFICE
Phone: FAX:

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

MCT Environmental Laboratories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

4/5

CHAIN OF CUSTODY RECORD 11224

SEE SIDE 2 FOR COMPLETE INSTRUCTIONS

Ship To:
Address:

Project Name: MOBIL JALK FEE
Project Number: 03-060141A.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13194
Storage Refrigerator ID: 4-5, 8, 7, 12-A
Storage Freezer ID:

Sampler Name: Mike Warriner
Signature:
PPE Worn in Field: LEVEL D

Relinquished By: Mike Warriner — Date/Time: 12/21/95 1747 — Received By or Method of Shipment/Shipment I.D.: Pedro Furlanetto — Date/Time: 12-21 1747

Relinquished By: EXPRESS IT — Date/Time: 12/22/95 — Received By or Method of Shipment/Shipment I.D.: [illegible] — Date/Time: 12/22/95 0900

Relinquished By: — Date/Time: — Received By or Method of Shipment/Shipment I.D.: — Date/Time:

Sample Disposal (check one): [X] Laboratory Standard [ ] Other

Level of QC (see Side 2): [X] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6A [ ] 6B [ ] 6C [ ] 6D [ ] 6E [ ] 6F [ ] 7 [ ] 8

Write in Analysis Method →

SAMPLE INFORMATION

ANALYSES REQUESTED

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8240	8015M (FS)	BOD								
1/3194-032	MH-10-2	12/21	1500	MH-10	5 ft	2	BRASS	SOIL	—	2WK	X	X									
2 033	MH-10-3	12/21	1505	MH-10	10 ft	↑	↑	↑	↑	↑	X	X	HOLD								
3 034	MH-10-4	12/21	1510	MH-10	15 ft						X	X									
4 035	MH-10-5	12/21	1530	MH-10	20 ft						X	X									
5 036	MH-10-6	↑	1550	MH-10	25 ft						X	X									
6 037	MH-11-1		1605	MH-11	1 ft						X	X									
7 038	MH-11-2		1610	MH-11	5 ft						X	X									
8 039	MH-11-3		1615	MH-11	10 ft						X	X									
9 040	MH-11-4	↓	1625	MH-11	15 ft	↓	↓	↓	↓	↓	X	X									
10 041	MH-11-5	12/21	1435	MH-11	20 ft	2	BRASS	SOIL	—	2WK	X	X	HOLD								

Special Instructions/Comments:
ANALYZE MH-10-1,2,3 + HOLD MH-10-4,5,6

Container Types: B=Brass Tube, G=Glass Jar, O=Other ____; A=1 Liter Amber, C=Cassette, P=Polyethylene, V=Voa Vial

TAT (Analytical Turn Around Time): 1 = 24 hours, 2 = 48 hours, 3 = 1 week, 4 = 2 weeks, 0 = Other ____

FOR LABORATORY USE ONLY — Sample Condition Upon Receipt:
TEMP 2°C

SEND DOCUMENTATION AND RESULTS TO (Check one):
[X] Project Manager/Office: EVERETT FERGUSON
[ ] Client Name:
Company: McLAREN/HART
Address: IRVINE OFFICE
Phone: ____ FAX: ____

Common Analytical Methods:
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity
* Specify Total or Dissolved

5/5

Lockheed Missiles & Space Company, Inc.
1111 LOCKHEED WAY, O/47-10 B/101, SUNNYVALE, CA 94089-3504

Chain-Of-Custody Record & Analysis Request

Number: AA 973

Sampler Signature: [signature]
Field Notebook Number: MIKE WARRINER
Project Number: 03.0601414.002
Project Name: MOBIL JALK FEE
LIMS Number: LP#13194
Sample Number(s):

SAMPLE ID	Sample Type: GRAB	Sample Type: COMPOSITE	VOLUME (ml)	Matrix: WATER	Matrix: SOIL	Matrix: AIR	Matrix: SLUDGE	Matrix: OTHER	Method Preserved: HCl HEADSPACE	Method Preserved: Na_2SO_3	Method Preserved: NaOH	Method Preserved: $Na_2S_2O_3$ (H_2O), (H_2SO_4)	Method Preserved: HCl	Method Preserved: HNO_3	Method Preserved: NONE	Method Preserved: OTHER	Sampling: DATE	Sampling: TIME	pH (846-9040)	Conductivity (846-9050)	Normality (600-310.1),(600-305.2)	Cr + 6 (846-7196)	Trmet (846-7000)	Tmet (846-6010) prep. 3010,3030,3050	Rmet (846-6010) prep. APH STD MTH 302B)	Na (846-7000FL)	Cl (600-300.0)	CN (846-9010),(LMSC-CN)	TOC (846-9060)	TOX (846-9020)	Phenols (846-8040)	VOA (846-8240)	NO3 (600-300.0)	O&G (846-9070)	TPH (600-418.1)	PCB (846-8080)	Semi Volatiles (846-8270)	Other: 8240	Other: 8015M (FS)	Other: 8020	Turnaro Tim: PRIORITY ONE SERVICE (24 HR)	EXPEDITED SERVICE (2-4 DAYS)
MH-11-6					X				MH-11 @ 25 ft						X		12/21	1645								13194 - 042												X	X		HOL	
TRIP BLANK				X													12/21	1645								↓												X		X		

Temp 3.C, Samples Intact
Location: 4-5, 8, 7, 12-A

Rush Authorization Signature:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Mike Warriner [signature]	12/21/95	1747	[signature]	12-21	1745
EXPRESS IT	12/22/95	0900	Cindy N.	12/22/95	0900

Remarks:
CALL RESULTS TO
EVERETT FERGUSON
McLAREN/HART
IRVINE OFFICE
LEVEL 1 Q.C.

DISTRIBUTION

LMSC 3290

ANALYTICAL REPORT

LABORATORY PROJECT (LP) NUMBER 13194

MOBIL JALK FEE

The analyses performed by MBT Environmental Laboratories in this report comply with the requirements under the following certification/approval:

	ARIZONA:	Hazardous Waste, #AZ0468 Waste Water, # AZ0468 Drinking Water, #AZ0468
✓	CALIFORNIA:	Hazardous Waste, #1417 Waste Water, # 1417 Drinking Water, #1417 Mobile Lab, #2070
	CONNECTICUT:	Waste Water, #PH0799
	FLORIDA:	Environmental Water, #E87298 CQAPP #930105
	KANSAS:	Hazardous Waste, #E-1167 Waste Water, #E-192 Drinking Water, #E-192
	NEW HAMPSHIRE:	Waste Water, #253195-B Drinking Water, #253195-A
	NEW JERSEY:	Waste Water, #44818
	NEW YORK:	Hazardous Waste, #11241 Waste Water, #11241 CLP, #11241
	OKLAHOMA:	Hazardous Waste, #9318 Waste Water, #9318
	SOUTH CAROLINA:	Hazardous Waste, #87013 Waste Water, #87013
	TENNESSEE:	Underground Storage Tank
	WASHINGTON:	Hazardous Waste, #C048
	WISCONSIN:	Hazardous Waste, #999940920 Waste Water, #999940920
	USACOE:	Hazardous Waste Waste Water
	AFCEE	Hazardous Waste Waste Water

(CN13194)

MBT Environmental Laboratories

GENERAL NARRATIVE

Comments:

Test methods may include minor modifications of published EPA methods (e.g., reporting limits or parameter lists). Reporting limits are adjusted to reflect dilution of the sample when appropriate. Solids and waste are analyzed with no correction made for moisture content.

Percent recoveries for laboratory control samples and matrix spikes have been calculated using unrounded concentration values. Therefore, percent recoveries reported may differ slightly from those obtained from the rounded concentration values which appear on the report.

EPA 8020 BTEX (Water):

The surrogate recoveries for the analytes flagged on the data sheet were beyond acceptance limits for the following samples: 13194-21, 13194-43.

EPA 8015 Modified Fuel Fingerprinting:

For EPA 8015 Modified - Fuel Fingerprinting (GC), all peaks within the C7-C32 carbon range are compared to the standard which the peaks most closely resemble. Values reported are calculated based on the total area of the peaks in the carbon range of that standard.

Abbreviations and Definitions:

MB	*Method Blank* - An aliquot of a blank matrix carried throughout the entire analytical process
LCS	*Laboratory Control Sample* - A blank to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the accuracy of the method
MS/MSD	*Matrix Spike/Matrix Spike Duplicate* - Duplicate samples to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the extent of matrix bias or interference on analyte recovery
RPD	*Relative Percent Difference* - The measurement of precision between duplicate analyses
BRL	*Below Reporting Limit*
NS	*Not Specified*
NA	*Not Applicable*

(CN13194)

Flags:

Organics -

J Estimated value below the reporting limit and at or above the method detection limit.

B Analyte found in the associated blank, as well as in the sample.

Inorganics -

B Estimated value below the reporting limit and at or above the method detection limit.

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 5.0-0.0
Sample Number: MH-41
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-1/35535-4101
Date/Time Sampled: 12/21/95 08:30
Matrix: Soil (S)
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d15-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/28/95
Toluene	BRL	10	1	12/28/95
Ethyl benzene	BRL	10	1	12/28/95
1,2-Xylene	BRL	10	1	12/28/95
1,3-Xylene	BRL	10	1	12/28/95
1,4-Xylene	BRL	10	1	12/28/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	103	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/04/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 10.0-0.0
Sample Number: MH-4-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-2/35536-4101
Date/Time Sampled: 12/21/95 08:40
Matrix: Soil (S)
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d16-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/28/95
Toluene	BRL	10	1	12/28/95
Ethyl benzene	BRL	10	1	12/28/95
1,2-Xylene	BRL	10	1	12/28/95
1,3-Xylene	BRL	10	1	12/28/95
1,4-Xylene	BRL	10	1	12/28/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	94	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/04/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-5 5.0-0.0
Sample Number: MH-5-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-7/35537-4101
Date/Time Sampled: 12/21/95 10:25
Matrix: Soil (S)
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d17-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/28/95
Toluene	BRL	10	1	12/28/95
Ethyl benzene	BRL	10	1	12/28/95
1,2-Xylene	BRL	10	1	12/28/95
1,3-Xylene	BRL	10	1	12/28/95
1,4-Xylene	BRL	10	1	12/28/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	88	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-8-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/04/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-5 10.0-0.0
Sample Number: MH-5-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-8/35538-4101
Date/Time Sampled: 12/21/95 10:35
Matrix: Soil (S)
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d18-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/28/95
Toluene	BRL	10	1	12/28/95
Ethyl benzene	BRL	10	1	12/28/95
1,2-Xylene	BRL	10	1	12/28/95
1,3-Xylene	BRL	10	1	12/28/95
1,4-Xylene	BRL	10	1	12/28/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	91	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/04/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-6 5.0-0.0
Sample Number: MH-6-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-10/35539-4101
Date/Time Sampled: 12/21/95 11:00
Matrix: Soil (S)
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d19-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/28/95
Toluene	BRL	10	1	12/28/95
Ethyl benzene	BRL	10	1	12/28/95
1,2-Xylene	BRL	10	1	12/28/95
1,3-Xylene	BRL	10	1	12/28/95
1,4-Xylene	BRL	10	1	12/28/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	96	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/04/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-6 10.0-0.0
Sample Number: MH-6-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-11/35540-4101
Date/Time Sampled: 12/21/95 11:05
Matrix: Soil (S)
Batch Number: 4879
% Moisture: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95362d20-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/28/95
Toluene	BRL	10	1	12/28/95
Ethyl benzene	BRL	10	1	12/28/95
1,2-Xylene	BRL	10	1	12/28/95
1,3-Xylene	BRL	10	1	12/28/95
1,4-Xylene	BRL	10	1	12/28/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	90	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-8-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/04/96

METHOD BLANK

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Sample ID: 12/27/95 MB/36039
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

Lab ID: 36039-MB /4101
Matrix: Soil
Batch Number: 4879
Instrument/Column: vgc04.i/DB-WAX
Data File: 95361d34-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Benzene	BRL	10	12/28/95
Toluene	BRL	10	12/28/95
Ethyl benzene	BRL	10	12/28/95
1,2-Xylene	BRL	10	12/28/95
1,3-Xylene	BRL	10	12/28/95
1,4-Xylene	BRL	10	12/28/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	101	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-8-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/04/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL
LCS Date Analyzed: 12/28/95

Lab ID: 36040-LS1 /4101
Matrix: Soil Units: ug/Kg (ppb)
Batch Number: 4879
LCSD Date Analyzed: NA
Instrument/Column: vgc04.i/DB-WAX
Data File: 95361d35-0

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
Benzene	0	250	250	99	NA	NA	NA	70-124	≤25
Ethyl benzene	0	250	250	99	NA	NA	NA	67-128	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	200	98	NA	NA	60-111

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-8-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/04/96

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 5.0-0.0
Sample Number: MH-41
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 20 , 20 grams
Final Volume: 10 , 10 mL
MS Date Analyzed: 12/28/95

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-1/36036,36037-4101
Date/Time Sampled: 12/21/95 08:30
Matrix: Soil (S) Units: ug/Kg (ppb)
Batch Number: 4879
% Moisture: NA

MSD Date Analyzed: 01/03/96
Instrument/Column: vgc04.i/DB-WAX
Data File: 96003d21.0, 96003d22-

Analyte	(a) Sample Conc.	(b) MS/ MSD Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
Benzene	0	250	220	87	230	94	4	70-124	≤25
Ethyl benzene	0	250	220	86	230	93	4	67-128	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) MS/ MSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	170	84	180	88	60-111

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-8-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/04/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Rinse Blank
Sample Number: RB-3
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-21/35675-4101
Date/Time Sampled: 12/21/95 11:56
Matrix: Water (W)
Batch Number: 4934

Instrument/Column: vgc03.i/DB-WAX
Data File: 95361c24-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	0.50	1	12/27/95
Toluene	BRL	0.50	1	12/27/95
Ethyl benzene	BRL	0.50	1	12/27/95
1,2-Xylene	BRL	0.50	1	12/27/95
1,3-Xylene	BRL	0.50	1	12/27/95
1,4-Xylene	BRL	0.50	1	12/27/95

Surrogates	% Recovery	Limits
Orthochlorotoluene	123 *	80 - 120

Qualifier Legend:
* - Values outside QC limits

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Approved by: _____ Date: 1-9-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/05/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Trip Blank
Sample Number: Trip Blank
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-43/35680-4101
Date/Time Sampled: 12/21/95 16:45
Matrix: Water (W)
Batch Number: 4934

Instrument/Column: vgc03.i/DB-WAX
Data File: 95361c23-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	0.50	1	12/27/95
Toluene	BRL	0.50	1	12/27/95
Ethyl benzene	BRL	0.50	1	12/27/95
1,2-Xylene	BRL	0.50	1	12/27/95
1,3-Xylene	BRL	0.50	1	12/27/95
1,4-Xylene	BRL	0.50	1	12/27/95

Surrogates	% Recovery	Limits
Orthochlorotoluene	123 *	80 - 120

Qualifier Legend:
* - Values outside QC limits

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Report Generated: 01/05/96

METHOD BLANK

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Sample ID: 12/27/95 MB/36436
Date Prepared: NA

Lab ID: 36436-MB /4101
Matrix: Water
Batch Number: 4934
Instrument/Column: vgc03.i/DB-WAX
Data File: 95361c17-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Date Analyzed
Benzene	BRL	0.50	12/27/95
Toluene	BRL	0.50	12/27/95
Ethyl benzene	BRL	0.50	12/27/95
1,2-Xylene	BRL	0.50	12/27/95
1,3-Xylene	BRL	0.50	12/27/95
1,4-Xylene	BRL	0.50	12/27/95

Surrogates	% Recovery	Limits
Orthochlorotoluene	120	80 - 120

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Approved by: _____ Date: 1-9-96

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Report Generated: 01/05/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Date Prepared: NA

LCS Date Analyzed: 12/27/95

Lab ID: 36437-LS1 /4101
Matrix: Water Units: ug/L (ppb)
Batch Number: 4934
LCSD Date Analyzed: NA
Instrument/Column: vgc03.i/DB-WAX
Data File: 95361c16-0

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
Benzene	0	10	11	107	NA	NA	NA	72-134	≤20
Ethyl benzene	0	10	11	106	NA	NA	NA	72-128	≤20

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Orthochlorotoluene	4.0	4.4	110	NA	NA	80-120

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

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Report Generated: 01/08/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 5.0-0.0
Sample Number: MH-41
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-1/35535-7950
Date/Time Sampled: 12/21/95 08:30
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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Approved by: _____ Date: 1-4-96

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 10.0-0.0
Sample Number: MH-4-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-2/35536-7950
Date/Time Sampled: 12/21/95 08:40
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-5 5.0-0.0
Sample Number: MH-5-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-7/35537-7950
Date/Time Sampled: 12/21/95 10:25
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-5 10.0-0.0
Sample Number: MH-5-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-8/35538-7950
Date/Time Sampled: 12/21/95 10:35
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-6 5.0-0.0
Sample Number: MH-6-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-10/35539-7950
Date/Time Sampled: 12/21/95 11:00
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	01/02/96

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-6 10.0-0.0
Sample Number: MH-6-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-11/35540-7950
Date/Time Sampled: 12/21/95 11:05
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-2 5.0-0.0
Sample Number: MH-2-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-13/35619-7950
Date/Time Sampled: 12/21/95 1:30
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-2 10.0-0.0
Sample Number: MH-2-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-14/35633-7950
Date/Time Sampled: 12/21/95 11:35
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	13	10	1	12/29/95

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Report Generated: 01/04/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-7 5.0-0.0
Sample Number: MH-7-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-18/35634-7950
Date/Time Sampled: 12/21/95 13:05
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-7 10.0-0.0
Sample Number: MH-7-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-19/35636-7950
Date/Time Sampled: 12/21/95 13:10
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-8 1.0-0.0
Sample Number: MH-8-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-23/35639-7950
Date/Time Sampled: 12/21/95 13:45
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	1600	500	50	01/02/96

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-8 5.0-0.0
Sample Number: MH-8-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-24/35653-7950
Date/Time Sampled: 12/21/95 13:50
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-9 1.0-0.0
Sample Number: MH-9-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-27/35659-7950
Date/Time Sampled: 12/21/95 14:10
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	85	10	1	01/02/96

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-9 5.0-0.0
Sample Number: MH-9-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-28/35660-7950
Date/Time Sampled: 12/21/95 14:15
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 1.0-0.0
Sample Number: MH-10-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-31/35663-7950
Date/Time Sampled: 12/21/95 14:50
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 5.0-0.0
Sample Number: MH-10-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-32/35665-7950
Date/Time Sampled: 12/21/95 15:00
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 10.0-0.0
Sample Number: MH-10-3
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-33/35666-7950
Date/Time Sampled: 12/21/95 15:05
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/29/95

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 1.0-0.0
Sample Number: MH-11-1
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-37/35667-7950
Date/Time Sampled: 12/21/95 16:05
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	820	500	50	01/02/96

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EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 5.0-0.0
Sample Number: MH-11-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-38/35668-7950
Date/Time Sampled: 12/21/95 16:10
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/28/95

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EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 10.0-0.0
Sample Number: MH-11-3
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-39/35669-7950
Date/Time Sampled: 12/21/95 16:15
Matrix: Soil (S)
Batch Number: 4862-951227
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/28/95

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METHOD BLANK

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Sample ID: 12/27/95 MB/35920
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

Lab ID: 35920-MB /7950
Matrix: Soil
Batch Number: 4862-951227

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Date Analyzed
No petroleum fractions found	BRL	10	12/28/95

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LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Date Prepared: 12/27/95 08:00:
Initial Wt./Volume: 30 grams
Final Volume: 5 mL
LCS Date Analyzed: 12/28/95

Lab ID: 35921-LS2 /7950
Matrix: Soil Units: mg/Kg (ppm)
Batch Number: 4862-951227
LCSD Date Analyzed: NA

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
Diesel (C12-C22)	0	83	59	71	NA	NA	NA	52-125	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 5.0-0.0
Sample Number: MH-41
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 08:00
Initial Wt./Volume: 30 , 30 grams
Final Volume: 5 , 5 mL
MS Date Analyzed: 12/29/95

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-1/35922,35923-7950
Date/Time Sampled: 12/21/95 08:30
Matrix: Soil (S) Units: mg/Kg (ppm)
Batch Number: 4862-951227
% Moisture: NA

MSD Date Analyzed: 12/29/95

Analyte	(a) Sample Conc.	(b) MS/ MSD Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
Diesel (C12-C22)	0	83	68	82	63	75	8	52-125	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

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Approved by: _____ Date: 1-4-96

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Report Generated: 01/03/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3510

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Rinse Blank 2
Sample Number: RB-2
Date/Time Received: 12/22/95 9:00
Date Prepared: 12/27/95 12:35
Initial Wt./Volume: 1000 mL
Final Volume: 1 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-17/35674-7950
Date/Time Sampled: 12/21/95 11:55
Matrix: Water (W)
Batch Number: 4859-951227

Analyte	Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	0.50	1	12/30/95

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Report Generated: 01/04/96

METHOD BLANK

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3510

Sample ID: 12/27/95 MB/35911
Date Prepared: 12/27/95 12:35
Initial Wt./Volume: 1000 mL
Final Volume: 1 mL

Lab ID: 35911-MB /7950
Matrix: Water
Batch Number: 4859-951227

Analyte	Result mg/L (ppm)	Reporting Limit mg/L (ppm)	Date Analyzed
No petroleum fractions found	BRL	0.50	12/30/95

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Approved by: _____ Date: 1-4-96

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Report Generated: 01/04/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3510

Date Prepared: 12/27/95 12:35:
Initial Wt./Volume: 1000 mL
Final Volume: 1 mL
LCS Date Analyzed: 12/29/95

Lab ID: 35912-LS1 /7950
Matrix: Water Units: mg/L (ppm)
Batch Number: 4859-951227
LCSD Date Analyzed: NA

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
Diesel (C12-C22)	0	2.5	2.0	81	NA	NA	NA	34-153	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

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Approved by: _____ Date: 1-4-96

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Report Generated: 01/04/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 20.0-0.0
Sample Number: MH-4-4
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-4/35615-8414
Date/Time Sampled: 12/21/95 9:00
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7535.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/27/95
Vinyl Chloride	BRL	10	1	12/27/95
Bromomethane	BRL	10	1	12/27/95
Chloroethane	BRL	10	1	12/27/95
Trichlorofluoromethane	BRL	10	1	12/27/95
Acetone	BRL	25	1	12/27/95
1,1-Dichloroethene	BRL	5.0	1	12/27/95
Methylene Chloride	BRL	5.0	1	12/27/95
Carbon Disulfide	BRL	5.0	1	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/27/95
1,1-Dichloroethane	BRL	5.0	1	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/27/95
Chloroform	BRL	5.0	1	12/27/95
1,2-Dichloroethane	BRL	5.0	1	12/27/95
2-Butanone	BRL	25	1	12/27/95
1,1,1-Trichloroethane	BRL	5.0	1	12/27/95
Carbon Tetrachloride	BRL	5.0	1	12/27/95
Benzene	BRL	5.0	1	12/27/95
Trichloroethene	BRL	5.0	1	12/27/95
1,2-Dichloropropane	BRL	5.0	1	12/27/95
Bromodichloromethane	BRL	5.0	1	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/27/95
1,1,2-Trichloroethane	BRL	5.0	1	12/27/95
Dibromochloromethane	BRL	5.0	1	12/27/95
Bromoform	BRL	5.0	1	12/27/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-4/35615-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/27/95
Toluene	BRL	5.0	1	12/27/95
2-Hexanone	BRL	25	1	12/27/95
Tetrachloroethene	BRL	5.0	1	12/27/95
Chlorobenzene	BRL	5.0	1	12/27/95
Ethyl benzene	BRL	5.0	1	12/27/95
m & p Xylene	BRL	5.0	1	12/27/95
o-Xylene	BRL	5.0	1	12/27/95
Styrene	BRL	5.0	1	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/27/95
1,3-Dichlorobenzene	BRL	5.0	1	12/27/95
1,4-Dichlorobenzene	BRL	5.0	1	12/27/95
1,2-Dichlorobenzene	BRL	5.0	1	12/27/95

Surrogates		% Recovery	Limits
1,2-Dichloroethane-d4	-	93	70 - 121
Toluene-d8		103	81 - 117
Bromofluorobenzene		97	74 - 121

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Approved by: TS Date: 1-3-96

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Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 30.0-0.0
Sample Number: MH-4-5
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-5/35616-8414
Date/Time Sampled: 12/21/95 9:30
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7536.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/27/95
Vinyl Chloride	BRL	10	1	12/27/95
Bromomethane	BRL	10	1	12/27/95
Chloroethane	BRL	10	1	12/27/95
Trichlorofluoromethane	BRL	10	1	12/27/95
Acetone	BRL	25	1	12/27/95
1,1-Dichloroethene	BRL	5.0	1	12/27/95
Methylene Chloride	BRL	5.0	1	12/27/95
Carbon Disulfide	BRL	5.0	1	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/27/95
1,1-Dichloroethane	BRL	5.0	1	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/27/95
Chloroform	BRL	5.0	1	12/27/95
1,2-Dichloroethane	BRL	5.0	1	12/27/95
2-Butanone	BRL	25	1	12/27/95
1,1,1-Trichloroethane	BRL	5.0	1	12/27/95
Carbon Tetrachloride	BRL	5.0	1	12/27/95
Benzene	BRL	5.0	1	12/27/95
Trichloroethene	BRL	5.0	1	12/27/95
1,2-Dichloropropane	BRL	5.0	1	12/27/95
Bromodichloromethane	BRL	5.0	1	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/27/95
1,1,2-Trichloroethane	BRL	5.0	1	12/27/95
Dibromochloromethane	BRL	5.0	1	12/27/95
Bromoform	BRL	5.0	1	12/27/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-5/35616-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/27/95
Toluene	BRL	5.0	1	12/27/95
2-Hexanone	BRL	25	1	12/27/95
Tetrachloroethene	BRL	5.0	1	12/27/95
Chlorobenzene	BRL	5.0	1	12/27/95
Ethyl benzene	BRL	5.0	1	12/27/95
m & p Xylene	BRL	5.0	1	12/27/95
o-Xylene	BRL	5.0	1	12/27/95
Styrene	BRL	5.0	1	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/27/95
1,3-Dichlorobenzene	BRL	5.0	1	12/27/95
1,4-Dichlorobenzene	BRL	5.0	1	12/27/95
1,2-Dichlorobenzene	BRL	5.0	1	12/27/95

Surrogates		% Recovery	Limits
1,2-Dichloroethane-d4	-	100	70 - 121
Toluene-d8		105	81 - 117
Bromofluorobenzene		102	74 - 121

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Approved by: TS Date: 1-3-96

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Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-4 40.0-0.0
Sample Number: MH-4-6
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-6/35617-8414
Date/Time Sampled: 12/21/95 10:05
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7537.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/27/95
Vinyl Chloride	BRL	10	1	12/27/95
Bromomethane	BRL	10	1	12/27/95
Chloroethane	BRL	10	1	12/27/95
Trichlorofluoromethane	BRL	10	1	12/27/95
Acetone	BRL	25	1	12/27/95
1,1-Dichloroethene	BRL	5.0	1	12/27/95
Methylene Chloride	BRL	5.0	1	12/27/95
Carbon Disulfide	BRL	5.0	1	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/27/95
1,1-Dichloroethane	BRL	5.0	1	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/27/95
Chloroform	BRL	5.0	1	12/27/95
1,2-Dichloroethane	BRL	5.0	1	12/27/95
2-Butanone	BRL	25	1	12/27/95
1,1,1-Trichloroethane	BRL	5.0	1	12/27/95
Carbon Tetrachloride	BRL	5.0	1	12/27/95
Benzene	BRL	5.0	1	12/27/95
Trichloroethene	BRL	5.0	1	12/27/95
1,2-Dichloropropane	BRL	5.0	1	12/27/95
Bromodichloromethane	BRL	5.0	1	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/27/95
1,1,2-Trichloroethane	BRL	5.0	1	12/27/95
Dibromochloromethane	BRL	5.0	1	12/27/95
Bromoform	BRL	5.0	1	12/27/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-6/35617-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/27/95
Toluene	BRL	5.0	1	12/27/95
2-Hexanone	BRL	25	1	12/27/95
Tetrachloroethene	BRL	5.0	1	12/27/95
Chlorobenzene	BRL	5.0	1	12/27/95
Ethyl benzene	BRL	5.0	1	12/27/95
m & p Xylene	BRL	5.0	1	12/27/95
o-Xylene	BRL	5.0	1	12/27/95
Styrene	BRL	5.0	1	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/27/95
1,3-Dichlorobenzene	BRL	5.0	1	12/27/95
1,4-Dichlorobenzene	BRL	5.0	1	12/27/95
1,2-Dichlorobenzene	BRL	5.0	1	12/27/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	106	70 - 121
Toluene-d8	108	81 - 117
Bromofluorobenzene	106	74 - 121

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Approved by: TS Date: 1-3-96

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Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-2 5.0-0.0
Sample Number: MH-2-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-13/35619-8414
Date/Time Sampled: 12/21/95 1:30
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7538.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/27/95
Vinyl Chloride	BRL	10	1	12/27/95
Bromomethane	BRL	10	1	12/27/95
Chloroethane	BRL	10	1	12/27/95
Trichlorofluoromethane	BRL	10	1	12/27/95
Acetone	BRL	25	1	12/27/95
1,1-Dichloroethene	BRL	5.0	1	12/27/95
Methylene Chloride	BRL	5.0	1	12/27/95
Carbon Disulfide	BRL	5.0	1	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/27/95
1,1-Dichloroethane	BRL	5.0	1	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/27/95
Chloroform	BRL	5.0	1	12/27/95
1,2-Dichloroethane	BRL	5.0	1	12/27/95
2-Butanone	BRL	25	1	12/27/95
1,1,1-Trichloroethane	BRL	5.0	1	12/27/95
Carbon Tetrachloride	BRL	5.0	1	12/27/95
Benzene	BRL	5.0	1	12/27/95
Trichloroethene	BRL	5.0	1	12/27/95
1,2-Dichloropropane	BRL	5.0	1	12/27/95
Bromodichloromethane	BRL	5.0	1	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/27/95
1,1,2-Trichloroethane	BRL	5.0	1	12/27/95
Dibromochloromethane	BRL	5.0	1	12/27/95
Bromoform	BRL	5.0	1	12/27/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-13/35619-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/27/95
Toluene	BRL	5.0	1	12/27/95
2-Hexanone	BRL	25	1	12/27/95
Tetrachloroethene	BRL	5.0	1	12/27/95
Chlorobenzene	BRL	5.0	1	12/27/95
Ethyl benzene	BRL	5.0	1	12/27/95
m & p Xylene	BRL	5.0	1	12/27/95
o-Xylene	BRL	5.0	1	12/27/95
Styrene	BRL	5.0	1	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/27/95
1,3-Dichlorobenzene	BRL	5.0	1	12/27/95
1,4-Dichlorobenzene	BRL	5.0	1	12/27/95
1,2-Dichlorobenzene	BRL	5.0	1	12/27/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	101	70 - 121
Toluene-d8	109	81 - 117
Bromofluorobenzene	104	74 - 121

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Approved by: TS Date: 1-3-96

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Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-2 10.0-0.0
Sample Number: MH-2-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-14/35633-8414
Date/Time Sampled: 12/21/95 11:35
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7562.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/28/95
Vinyl Chloride	BRL	10	1	12/28/95
Bromomethane	BRL	10	1	12/28/95
Chloroethane	BRL	10	1	12/28/95
Trichlorofluoromethane	BRL	10	1	12/28/95
Acetone	BRL	25	1	12/28/95
1,1-Dichloroethene	BRL	5.0	1	12/28/95
Methylene Chloride	BRL	5.0	1	12/28/95
Carbon Disulfide	BRL	5.0	1	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/28/95
1,1-Dichloroethane	BRL	5.0	1	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/28/95
Chloroform	BRL	5.0	1	12/28/95
1,2-Dichloroethane	BRL	5.0	1	12/28/95
2-Butanone	BRL	25	1	12/28/95
1,1,1-Trichloroethane	BRL	5.0	1	12/28/95
Carbon Tetrachloride	BRL	5.0	1	12/28/95
Benzene	BRL	5.0	1	12/28/95
Trichloroethene	BRL	5.0	1	12/28/95
1,2-Dichloropropane	BRL	5.0	1	12/28/95
Bromodichloromethane	BRL	5.0	1	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/28/95
1,1,2-Trichloroethane	BRL	5.0	1	12/28/95
Dibromochloromethane	BRL	5.0	1	12/28/95
Bromoform	BRL	5.0	1	12/28/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-14/35633-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/28/95
Toluene	BRL	5.0	1	12/28/95
2-Hexanone	BRL	25	1	12/28/95
Tetrachloroethene	BRL	5.0	1	12/28/95
Chlorobenzene	BRL	5.0	1	12/28/95
Ethyl benzene	BRL	5.0	1	12/28/95
m & p Xylene	BRL	5.0	1	12/28/95
o-Xylene	BRL	5.0	1	12/28/95
Styrene	BRL	5.0	1	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/28/95
1,3-Dichlorobenzene	BRL	5.0	1	12/28/95
1,4-Dichlorobenzene	BRL	5.0	1	12/28/95
1,2-Dichlorobenzene	BRL	5.0	1	12/28/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	95	70 - 121
Toluene-d8	102	81 - 117
Bromofluorobenzene	99	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-7 5.0-0.0
Sample Number: MH-7-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-18/35634-8414
Date/Time Sampled: 12/21/95 13:05
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7539.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/27/95
Vinyl Chloride	BRL	10	1	12/27/95
Bromomethane	BRL	10	1	12/27/95
Chloroethane	BRL	10	1	12/27/95
Trichlorofluoromethane	BRL	10	1	12/27/95
Acetone	BRL	25	1	12/27/95
1,1-Dichloroethene	BRL	5.0	1	12/27/95
Methylene Chloride	BRL	5.0	1	12/27/95
Carbon Disulfide	BRL	5.0	1	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/27/95
1,1-Dichloroethane	BRL	5.0	1	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/27/95
Chloroform	BRL	5.0	1	12/27/95
1,2-Dichloroethane	BRL	5.0	1	12/27/95
2-Butanone	BRL	25	1	12/27/95
1,1,1-Trichloroethane	BRL	5.0	1	12/27/95
Carbon Tetrachloride	BRL	5.0	1	12/27/95
Benzene	BRL	5.0	1	12/27/95
Trichloroethene	BRL	5.0	1	12/27/95
1,2-Dichloropropane	BRL	5.0	1	12/27/95
Bromodichloromethane	BRL	5.0	1	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/27/95
1,1,2-Trichloroethane	BRL	5.0	1	12/27/95
Dibromochloromethane	BRL	5.0	1	12/27/95
Bromoform	BRL	5.0	1	12/27/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-18/35634-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/27/95
Toluene	BRL	5.0	1	12/27/95
2-Hexanone	BRL	25	1	12/27/95
Tetrachloroethene	BRL	5.0	1	12/27/95
Chlorobenzene	BRL	5.0	1	12/27/95
Ethyl benzene	BRL	5.0	1	12/27/95
m & p Xylene	BRL	5.0	1	12/27/95
o-Xylene	BRL	5.0	1	12/27/95
Styrene	BRL	5.0	1	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/27/95
1,3-Dichlorobenzene	BRL	5.0	1	12/27/95
1,4-Dichlorobenzene	BRL	5.0	1	12/27/95
1,2-Dichlorobenzene	BRL	5.0	1	12/27/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	104	70 - 121
Toluene-d8	108	81 - 117
Bromofluorobenzene	105	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-7 10.0-0.0
Sample Number: MH-7-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-19/35636-8414
Date/Time Sampled: 12/21/95 13:10
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7540.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/27/95
Vinyl Chloride	BRL	10	1	12/27/95
Bromomethane	BRL	10	1	12/27/95
Chloroethane	BRL	10	1	12/27/95
Trichlorofluoromethane	BRL	10	1	12/27/95
Acetone	BRL	25	1	12/27/95
1,1-Dichloroethene	BRL	5.0	1	12/27/95
Methylene Chloride	BRL	5.0	1	12/27/95
Carbon Disulfide	BRL	5.0	1	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/27/95
1,1-Dichloroethane	BRL	5.0	1	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/27/95
Chloroform	BRL	5.0	1	12/27/95
1,2-Dichloroethane	BRL	5.0	1	12/27/95
2-Butanone	BRL	25	1	12/27/95
1,1,1-Trichloroethane	BRL	5.0	1	12/27/95
Carbon Tetrachloride	BRL	5.0	1	12/27/95
Benzene	BRL	5.0	1	12/27/95
Trichloroethene	BRL	5.0	1	12/27/95
1,2-Dichloropropane	BRL	5.0	1	12/27/95
Bromodichloromethane	BRL	5.0	1	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/27/95
1,1,2-Trichloroethane	BRL	5.0	1	12/27/95
Dibromochloromethane	BRL	5.0	1	12/27/95
Bromoform	BRL	5.0	1	12/27/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-19/35636-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/27/95
Toluene	BRL	5.0	1	12/27/95
2-Hexanone	BRL	25	1	12/27/95
Tetrachloroethene	BRL	5.0	1	12/27/95
Chlorobenzene	BRL	5.0	1	12/27/95
Ethyl benzene	BRL	5.0	1	12/27/95
m & p Xylene	BRL	5.0	1	12/27/95
o-Xylene	BRL	5.0	1	12/27/95
Styrene	BRL	5.0	1	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/27/95
1,3-Dichlorobenzene	BRL	5.0	1	12/27/95
1,4-Dichlorobenzene	BRL	5.0	1	12/27/95
1,2-Dichlorobenzene	BRL	5.0	1	12/27/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	100	70 - 121
Toluene-d8	109	81 - 117
Bromofluorobenzene	106	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: 15 Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-8 1.0-0.0
Sample Number: MH-8-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-23/35639-8414
Date/Time Sampled: 12/21/95 13:45
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7563.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/28/95
Vinyl Chloride	BRL	10	1	12/28/95
Bromomethane	BRL	10	1	12/28/95
Chloroethane	BRL	10	1	12/28/95
Trichlorofluoromethane	BRL	10	1	12/28/95
Acetone	BRL	25	1	12/28/95
1,1-Dichloroethene	BRL	5.0	1	12/28/95
Methylene Chloride	BRL	5.0	1	12/28/95
Carbon Disulfide	BRL	5.0	1	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/28/95
1,1-Dichloroethane	BRL	5.0	1	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/28/95
Chloroform	BRL	5.0	1	12/28/95
1,2-Dichloroethane	BRL	5.0	1	12/28/95
2-Butanone	BRL	25	1	12/28/95
1,1,1-Trichloroethane	BRL	5.0	1	12/28/95
Carbon Tetrachloride	BRL	5.0	1	12/28/95
Benzene	BRL	5.0	1	12/28/95
Trichloroethene	BRL	5.0	1	12/28/95
1,2-Dichloropropane	BRL	5.0	1	12/28/95
Bromodichloromethane	BRL	5.0	1	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/28/95
1,1,2-Trichloroethane	BRL	5.0	1	12/28/95
Dibromochloromethane	BRL	5.0	1	12/28/95
Bromoform	BRL	5.0	1	12/28/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-23/35639-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/28/95
Toluene	BRL	5.0	1	12/28/95
2-Hexanone	BRL	25	1	12/28/95
Tetrachloroethene	BRL	5.0	1	12/28/95
Chlorobenzene	BRL	5.0	1	12/28/95
Ethyl benzene	BRL	5.0	1	12/28/95
m & p Xylene	BRL	5.0	1	12/28/95
o-Xylene	BRL	5.0	1	12/28/95
Styrene	BRL	5.0	1	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/28/95
1,3-Dichlorobenzene	BRL	5.0	1	12/28/95
1,4-Dichlorobenzene	BRL	5.0	1	12/28/95
1,2-Dichlorobenzene	BRL	5.0	1	12/28/95

Surrogates		% Recovery	Limits
1,2-Dichloroethane-d4	-	96	70 - 121
Toluene-d8		115	81 - 117
Bromofluorobenzene		84	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: /15 Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-8 5.0-0.0
Sample Number: MH-8-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-24/35653-8414
Date/Time Sampled: 12/21/95 13:50
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7564.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/28/95
Vinyl Chloride	BRL	10	1	12/28/95
Bromomethane	BRL	10	1	12/28/95
Chloroethane	BRL	10	1	12/28/95
Trichlorofluoromethane	BRL	10	1	12/28/95
Acetone	BRL	25	1	12/28/95
1,1-Dichloroethene	BRL	5.0	1	12/28/95
Methylene Chloride	BRL	5.0	1	12/28/95
Carbon Disulfide	BRL	5.0	1	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/28/95
1,1-Dichloroethane	BRL	5.0	1	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/28/95
Chloroform	BRL	5.0	1	12/28/95
1,2-Dichloroethane	BRL	5.0	1	12/28/95
2-Butanone	BRL	25	1	12/28/95
1,1,1-Trichloroethane	BRL	5.0	1	12/28/95
Carbon Tetrachloride	BRL	5.0	1	12/28/95
Benzene	BRL	5.0	1	12/28/95
Trichloroethene	BRL	5.0	1	12/28/95
1,2-Dichloropropane	BRL	5.0	1	12/28/95
Bromodichloromethane	BRL	5.0	1	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/28/95
1,1,2-Trichloroethane	BRL	5.0	1	12/28/95
Dibromochloromethane	BRL	5.0	1	12/28/95
Bromoform	BRL	5.0	1	12/28/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-24/35653-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/28/95
Toluene	BRL	5.0	1	12/28/95
2-Hexanone	BRL	25	1	12/28/95
Tetrachloroethene	BRL	5.0	1	12/28/95
Chlorobenzene	BRL	5.0	1	12/28/95
Ethyl benzene	BRL	5.0	1	12/28/95
m & p Xylene	BRL	5.0	1	12/28/95
o-Xylene	BRL	5.0	1	12/28/95
Styrene	BRL	5.0	1	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/28/95
1,3-Dichlorobenzene	BRL	5.0	1	12/28/95
1,4-Dichlorobenzene	BRL	5.0	1	12/28/95
1,2-Dichlorobenzene	BRL	5.0	1	12/28/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	107	70 - 121
Toluene-d8	110	81 - 117
Bromofluorobenzene	108	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-9 1.0-0.0
Sample Number: MH-9-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-27/35659-8414
Date/Time Sampled: 12/21/95 14:10
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7541.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/27/95
Vinyl Chloride	BRL	10	1	12/27/95
Bromomethane	BRL	10	1	12/27/95
Chloroethane	BRL	10	1	12/27/95
Trichlorofluoromethane	BRL	10	1	12/27/95
Acetone	BRL	25	1	12/27/95
1,1-Dichloroethene	BRL	5.0	1	12/27/95
Methylene Chloride	BRL	5.0	1	12/27/95
Carbon Disulfide	BRL	5.0	1	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/27/95
1,1-Dichloroethane	BRL	5.0	1	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/27/95
Chloroform	BRL	5.0	1	12/27/95
1,2-Dichloroethane	BRL	5.0	1	12/27/95
2-Butanone	BRL	25	1	12/27/95
1,1,1-Trichloroethane	BRL	5.0	1	12/27/95
Carbon Tetrachloride	BRL	5.0	1	12/27/95
Benzene	BRL	5.0	1	12/27/95
Trichloroethene	BRL	5.0	1	12/27/95
1,2-Dichloropropane	BRL	5.0	1	12/27/95
Bromodichloromethane	BRL	5.0	1	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/27/95
1,1,2-Trichloroethane	BRL	5.0	1	12/27/95
Dibromochloromethane	BRL	5.0	1	12/27/95
Bromoform	BRL	5.0	1	12/27/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-27/35659-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/27/95
Toluene	BRL	5.0	1	12/27/95
2-Hexanone	BRL	25	1	12/27/95
Tetrachloroethene	BRL	5.0	1	12/27/95
Chlorobenzene	BRL	5.0	1	12/27/95
Ethyl benzene	BRL	5.0	1	12/27/95
m & p Xylene	BRL	5.0	1	12/27/95
o-Xylene	BRL	5.0	1	12/27/95
Styrene	BRL	5.0	1	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/27/95
1,3-Dichlorobenzene	BRL	5.0	1	12/27/95
1,4-Dichlorobenzene	BRL	5.0	1	12/27/95
1,2-Dichlorobenzene	BRL	5.0	1	12/27/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	104	70 - 121
Toluene-d8	116	81 - 117
Bromofluorobenzene	97	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-9 5.0-0.0
Sample Number: MH-9-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-28/35660-8414
Date/Time Sampled: 12/21/95 14:15
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7542.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/27/95
Vinyl Chloride	BRL	10	1	12/27/95
Bromomethane	BRL	10	1	12/27/95
Chloroethane	BRL	10	1	12/27/95
Trichlorofluoromethane	BRL	10	1	12/27/95
Acetone	BRL	25	1	12/27/95
1,1-Dichloroethene	BRL	5.0	1	12/27/95
Methylene Chloride	BRL	5.0	1	12/27/95
Carbon Disulfide	BRL	5.0	1	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/27/95
1,1-Dichloroethane	BRL	5.0	1	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/27/95
Chloroform	BRL	5.0	1	12/27/95
1,2-Dichloroethane	BRL	5.0	1	12/27/95
2-Butanone	BRL	25	1	12/27/95
1,1,1-Trichloroethane	BRL	5.0	1	12/27/95
Carbon Tetrachloride	BRL	5.0	1	12/27/95
Benzene	BRL	5.0	1	12/27/95
Trichloroethene	BRL	5.0	1	12/27/95
1,2-Dichloropropane	BRL	5.0	1	12/27/95
Bromodichloromethane	BRL	5.0	1	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/27/95
1,1,2-Trichloroethane	BRL	5.0	1	12/27/95
Dibromochloromethane	BRL	5.0	1	12/27/95
Bromoform	BRL	5.0	1	12/27/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-28/35660-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/27/95
Toluene	BRL	5.0	1	12/27/95
2-Hexanone	BRL	25	1	12/27/95
Tetrachloroethene	BRL	5.0	1	12/27/95
Chlorobenzene	BRL	5.0	1	12/27/95
Ethyl benzene	BRL	5.0	1	12/27/95
m & p Xylene	BRL	5.0	1	12/27/95
o-Xylene	BRL	5.0	1	12/27/95
Styrene	BRL	5.0	1	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/27/95
1,3-Dichlorobenzene	BRL	5.0	1	12/27/95
1,4-Dichlorobenzene	BRL	5.0	1	12/27/95
1,2-Dichlorobenzene	BRL	5.0	1	12/27/95

Surrogates		% Recovery	Limits
1,2-Dichloroethane-d4	-	98	70 - 121
Toluene-d8		100	81 - 117
Bromofluorobenzene		100	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: 15 Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 1.0-0.0
Sample Number: MH-10-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-31/35663-8414
Date/Time Sampled: 12/21/95 14:50
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7543.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/27/95
Vinyl Chloride	BRL	10	1	12/27/95
Bromomethane	BRL	10	1	12/27/95
Chloroethane	BRL	10	1	12/27/95
Trichlorofluoromethane	BRL	10	1	12/27/95
Acetone	BRL	25	1	12/27/95
1,1-Dichloroethene	BRL	5.0	1	12/27/95
Methylene Chloride	BRL	5.0	1	12/27/95
Carbon Disulfide	BRL	5.0	1	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/27/95
1,1-Dichloroethane	BRL	5.0	1	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/27/95
Chloroform	BRL	5.0	1	12/27/95
1,2-Dichloroethane	BRL	5.0	1	12/27/95
2-Butanone	BRL	25	1	12/27/95
1,1,1-Trichloroethane	BRL	5.0	1	12/27/95
Carbon Tetrachloride	BRL	5.0	1	12/27/95
Benzene	BRL	5.0	1	12/27/95
Trichloroethene	BRL	5.0	1	12/27/95
1,2-Dichloropropane	BRL	5.0	1	12/27/95
Bromodichloromethane	BRL	5.0	1	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/27/95
1,1,2-Trichloroethane	BRL	5.0	1	12/27/95
Dibromochloromethane	BRL	5.0	1	12/27/95
Bromoform	BRL	5.0	1	12/27/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-31/35663-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/27/95
Toluene	BRL	5.0	1	12/27/95
2-Hexanone	BRL	25	1	12/27/95
Tetrachloroethene	BRL	5.0	1	12/27/95
Chlorobenzene	BRL	5.0	1	12/27/95
Ethyl benzene	BRL	5.0	1	12/27/95
m & p Xylene	BRL	5.0	1	12/27/95
o-Xylene	BRL	5.0	1	12/27/95
Styrene	BRL	5.0	1	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/27/95
1,3-Dichlorobenzene	BRL	5.0	1	12/27/95
1,4-Dichlorobenzene	BRL	5.0	1	12/27/95
1,2-Dichlorobenzene	BRL	5.0	1	12/27/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	105	70 - 121
Toluene-d8	116	81 - 117
Bromofluorobenzene	104	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 5.0-0.0
Sample Number: MH-10-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-32/35665-8414
Date/Time Sampled: 12/21/95 15:00
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7544.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/27/95
Vinyl Chloride	BRL	10	1	12/27/95
Bromomethane	BRL	10	1	12/27/95
Chloroethane	BRL	10	1	12/27/95
Trichlorofluoromethane	BRL	10	1	12/27/95
Acetone	BRL	25	1	12/27/95
1,1-Dichloroethene	BRL	5.0	1	12/27/95
Methylene Chloride	BRL	5.0	1	12/27/95
Carbon Disulfide	BRL	5.0	1	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/27/95
1,1-Dichloroethane	BRL	5.0	1	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/27/95
Chloroform	BRL	5.0	1	12/27/95
1,2-Dichloroethane	BRL	5.0	1	12/27/95
2-Butanone	BRL	25	1	12/27/95
1,1,1-Trichloroethane	BRL	5.0	1	12/27/95
Carbon Tetrachloride	BRL	5.0	1	12/27/95
Benzene	BRL	5.0	1	12/27/95
Trichloroethene	BRL	5.0	1	12/27/95
1,2-Dichloropropane	BRL	5.0	1	12/27/95
Bromodichloromethane	BRL	5.0	1	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/27/95
1,1,2-Trichloroethane	BRL	5.0	1	12/27/95
Dibromochloromethane	BRL	5.0	1	12/27/95
Bromoform	BRL	5.0	1	12/27/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-32/35665-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/27/95
Toluene	BRL	5.0	1	12/27/95
2-Hexanone	BRL	25	1	12/27/95
Tetrachloroethene	BRL	5.0	1	12/27/95
Chlorobenzene	BRL	5.0	1	12/27/95
Ethyl benzene	BRL	5.0	1	12/27/95
m & p Xylene	BRL	5.0	1	12/27/95
o-Xylene	BRL	5.0	1	12/27/95
Styrene	BRL	5.0	1	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/27/95
1,3-Dichlorobenzene	BRL	5.0	1	12/27/95
1,4-Dichlorobenzene	BRL	5.0	1	12/27/95
1,2-Dichlorobenzene	BRL	5.0	1	12/27/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	110	70 - 121
Toluene-d8	107	81 - 117
Bromofluorobenzene	109	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: 15 Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-10 10.0-0.0
Sample Number: MH-10-3
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-33/35666-8414
Date/Time Sampled: 12/21/95 15:05
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7556.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/28/95
Vinyl Chloride	BRL	10	1	12/28/95
Bromomethane	BRL	10	1	12/28/95
Chloroethane	BRL	10	1	12/28/95
Trichlorofluoromethane	BRL	10	1	12/28/95
Acetone	BRL	25	1	12/28/95
1,1-Dichloroethene	BRL	5.0	1	12/28/95
Methylene Chloride	BRL	5.0	1	12/28/95
Carbon Disulfide	BRL	5.0	1	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/28/95
1,1-Dichloroethane	BRL	5.0	1	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/28/95
Chloroform	BRL	5.0	1	12/28/95
1,2-Dichloroethane	BRL	5.0	1	12/28/95
2-Butanone	BRL	25	1	12/28/95
1,1,1-Trichloroethane	BRL	5.0	1	12/28/95
Carbon Tetrachloride	BRL	5.0	1	12/28/95
Benzene	BRL	5.0	1	12/28/95
Trichloroethene	BRL	5.0	1	12/28/95
1,2-Dichloropropane	BRL	5.0	1	12/28/95
Bromodichloromethane	BRL	5.0	1	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/28/95
1,1,2-Trichloroethane	BRL	5.0	1	12/28/95
Dibromochloromethane	BRL	5.0	1	12/28/95
Bromoform	BRL	5.0	1	12/28/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-33/35666-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/28/95
Toluene	BRL	5.0	1	12/28/95
2-Hexanone	BRL	25	1	12/28/95
Tetrachloroethene	BRL	5.0	1	12/28/95
Chlorobenzene	BRL	5.0	1	12/28/95
Ethyl benzene	BRL	5.0	1	12/28/95
m & p Xylene	BRL	5.0	1	12/28/95
o-Xylene	BRL	5.0	1	12/28/95
Styrene	BRL	5.0	1	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/28/95
1,3-Dichlorobenzene	BRL	5.0	1	12/28/95
1,4-Dichlorobenzene	BRL	5.0	1	12/28/95
1,2-Dichlorobenzene	BRL	5.0	1	12/28/95

Surrogates		% Recovery	Limits
1,2-Dichloroethane-d4	-	95	70 - 121
Toluene-d8		105	81 - 117
Bromofluorobenzene		100	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: LS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 1.0-0.0
Sample Number: MH-11-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-37/35667-8414
Date/Time Sampled: 12/21/95 16:05
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7554.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/28/95
Vinyl Chloride	BRL	10	1	12/28/95
Bromomethane	BRL	10	1	12/28/95
Chloroethane	BRL	10	1	12/28/95
Trichlorofluoromethane	BRL	10	1	12/28/95
Acetone	BRL	25	1	12/28/95
1,1-Dichloroethene	BRL	5.0	1	12/28/95
Methylene Chloride	BRL	5.0	1	12/28/95
Carbon Disulfide	BRL	5.0	1	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/28/95
1,1-Dichloroethane	BRL	5.0	1	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/28/95
Chloroform	BRL	5.0	1	12/28/95
1,2-Dichloroethane	BRL	5.0	1	12/28/95
2-Butanone	BRL	25	1	12/28/95
1,1,1-Trichloroethane	BRL	5.0	1	12/28/95
Carbon Tetrachloride	BRL	5.0	1	12/28/95
Benzene	BRL	5.0	1	12/28/95
Trichloroethene	BRL	5.0	1	12/28/95
1,2-Dichloropropane	BRL	5.0	1	12/28/95
Bromodichloromethane	BRL	5.0	1	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/28/95
1,1,2-Trichloroethane	BRL	5.0	1	12/28/95
Dibromochloromethane	BRL	5.0	1	12/28/95
Bromoform	BRL	5.0	1	12/28/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-37/35667-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/28/95
Toluene	BRL	5.0	1	12/28/95
2-Hexanone	BRL	25	1	12/28/95
Tetrachloroethene	BRL	5.0	1	12/28/95
Chlorobenzene	BRL	5.0	1	12/28/95
Ethyl benzene	BRL	5.0	1	12/28/95
m & p Xylene	BRL	5.0	1	12/28/95
o-Xylene	BRL	5.0	1	12/28/95
Styrene	BRL	5.0	1	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/28/95
1,3-Dichlorobenzene	BRL	5.0	1	12/28/95
1,4-Dichlorobenzene	BRL	5.0	1	12/28/95
1,2-Dichlorobenzene	BRL	5.0	1	12/28/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	96	70 - 121
Toluene-d8	106	81 - 117
Bromofluorobenzene	96	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 5.0-0.0
Sample Number: MH-11-2
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-38/35668-8414
Date/Time Sampled: 12/21/95 16:10
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7546.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/28/95
Vinyl Chloride	BRL	10	1	12/28/95
Bromomethane	BRL	10	1	12/28/95
Chloroethane	BRL	10	1	12/28/95
Trichlorofluoromethane	BRL	10	1	12/28/95
Acetone	BRL	25	1	12/28/95
1,1-Dichloroethene	BRL	5.0	1	12/28/95
Methylene Chloride	BRL	5.0	1	12/28/95
Carbon Disulfide	BRL	5.0	1	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/28/95
1,1-Dichloroethane	BRL	5.0	1	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/28/95
Chloroform	BRL	5.0	1	12/28/95
1,2-Dichloroethane	BRL	5.0	1	12/28/95
2-Butanone	BRL	25	1	12/28/95
1,1,1-Trichloroethane	BRL	5.0	1	12/28/95
Carbon Tetrachloride	BRL	5.0	1	12/28/95
Benzene	BRL	5.0	1	12/28/95
Trichloroethene.	BRL	5.0	1	12/28/95
1,2-Dichloropropane	BRL	5.0	1	12/28/95
Bromodichloromethane	BRL	5.0	1	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/28/95
1,1,2-Trichloroethane	BRL	5.0	1	12/28/95
Dibromochloromethane	BRL	5.0	1	12/28/95
Bromoform	BRL	5.0	1	12/28/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-38/35668-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/28/95
Toluene	BRL	5.0	1	12/28/95
2-Hexanone	BRL	25	1	12/28/95
Tetrachloroethene	BRL	5.0	1	12/28/95
Chlorobenzene	BRL	5.0	1	12/28/95
Ethyl benzene	BRL	5.0	1	12/28/95
m & p Xylene	BRL	5.0	1	12/28/95
o-Xylene	BRL	5.0	1	12/28/95
Styrene	BRL	5.0	1	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/28/95
1,3-Dichlorobenzene	BRL	5.0	1	12/28/95
1,4-Dichlorobenzene	BRL	5.0	1	12/28/95
1,2-Dichlorobenzene	BRL	5.0	1	12/28/95

Surrogates		% Recovery	Limits
1,2-Dichloroethane-d4	-	102	70 - 121
Toluene-d8		105	81 - 117
Bromofluorobenzene		100	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: MH-11 10.0-0.0
Sample Number: MH-11-3
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-39/35669-8414
Date/Time Sampled: 12/21/95 16:15
Matrix: Soil (S)
Batch Number: 4895
% Moisture: NA
Instrument/Column: MS04/RTX-502.2
Data File: P7547.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/28/95
Vinyl Chloride	BRL	10	1	12/28/95
Bromomethane	BRL	10	1	12/28/95
Chloroethane	BRL	10	1	12/28/95
Trichlorofluoromethane	BRL	10	1	12/28/95
Acetone	BRL	25	1	12/28/95
1,1-Dichloroethene	BRL	5.0	1	12/28/95
Methylene Chloride	BRL	5.0	1	12/28/95
Carbon Disulfide	BRL	5.0	1	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/28/95
1,1-Dichloroethane	BRL	5.0	1	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/28/95
Chloroform	BRL	5.0	1	12/28/95
1,2-Dichloroethane	BRL	5.0	1	12/28/95
2-Butanone	BRL	25	1	12/28/95
1,1,1-Trichloroethane	BRL	5.0	1	12/28/95
Carbon Tetrachloride	BRL	5.0	1	12/28/95
Benzene	BRL	5.0	1	12/28/95
Trichloroethene	BRL	5.0	1	12/28/95
1,2-Dichloropropane	BRL	5.0	1	12/28/95
Bromodichloromethane	BRL	5.0	1	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/28/95
1,1,2-Trichloroethane	BRL	5.0	1	12/28/95
Dibromochloromethane	BRL	5.0	1	12/28/95
Bromoform	BRL	5.0	1	12/28/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-39/35669-8414

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/28/95
Toluene	BRL	5.0	1	12/28/95
2-Hexanone	BRL	25	1	12/28/95
Tetrachloroethene	BRL	5.0	1	12/28/95
Chlorobenzene	BRL	5.0	1	12/28/95
Ethyl benzene	BRL	5.0	1	12/28/95
m & p Xylene	BRL	5.0	1	12/28/95
o-Xylene	BRL	5.0	1	12/28/95
Styrene	BRL	5.0	1	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/28/95
1,3-Dichlorobenzene	BRL	5.0	1	12/28/95
1,4-Dichlorobenzene	BRL	5.0	1	12/28/95
1,2-Dichlorobenzene	BRL	5.0	1	12/28/95

Surrogates		% Recovery	Limits
1,2-Dichloroethane-d4	-	109	70 - 121
Toluene-d8		113	81 - 117
Bromofluorobenzene		110	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

METHOD BLANK

VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/27/95 MB/36223
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

Lab ID: 36223-MB /8414
Matrix: Soil
Batch Number: 4895
Instrument/Column: MS04/RTX-502.2
Data File: P7533.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Chloromethane	BRL	10	12/27/95
Vinyl Chloride	BRL	10	12/27/95
Bromomethane	BRL	10	12/27/95
Chloroethane	BRL	10	12/27/95
Trichlorofluoromethane	BRL	10	12/27/95
Acetone	BRL	25	12/27/95
1,1-Dichloroethene	BRL	5.0	12/27/95
Methylene Chloride	BRL	5.0	12/27/95
Carbon Disulfide	BRL	5.0	12/27/95
trans-1,2-Dichloroethene	BRL	5.0	12/27/95
1,1-Dichloroethane	BRL	5.0	12/27/95
cis-1,2-Dichloroethene	BRL	5.0	12/27/95
Chloroform	BRL	5.0	12/27/95
1,2-Dichloroethane	BRL	5.0	12/27/95
2-Butanone	BRL	25	12/27/95
1,1,1-Trichloroethane	BRL	5.0	12/27/95
Carbon Tetrachloride	BRL	5.0	12/27/95
Benzene	BRL	5.0	12/27/95
Trichloroethene	BRL	5.0	12/27/95
1,2-Dichloropropane	BRL	5.0	12/27/95
Bromodichloromethane	BRL	5.0	12/27/95
trans-1,3-Dichloropropene	BRL	5.0	12/27/95
cis-1,3-Dichloropropene	BRL	5.0	12/27/95
1,1,2-Trichloroethane	BRL	5.0	12/27/95
Dibromochloromethane	BRL	5.0	12/27/95
Bromoform	BRL	5.0	12/27/95
4-Methyl-2-Pentanone	BRL	25	12/27/95
Toluene	BRL	5.0	12/27/95
2-Hexanone	BRL	25	12/27/95
Tetrachloroethene	BRL	5.0	12/27/95
Chlorobenzene	BRL	5.0	12/27/95

METHOD BLANK

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 36223-MB /8414 1559

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Ethyl benzene	BRL	5.0	12/27/95
m & p Xylene	BRL	5.0	12/27/95
o-Xylene	BRL	5.0	12/27/95
Styrene	BRL	5.0	12/27/95
1,1,2,2-Tetrachloroethane	BRL	5.0	12/27/95
1,3-Dichlorobenzene	BRL	5.0	12/27/95
1,4-Dichlorobenzene	BRL	5.0	12/27/95
1,2-Dichlorobenzene	BRL	5.0	12/27/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	103	70 - 121
Toluene-d8	108	81 - 117
Bromofluorobenzene	105	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

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Report Generated: 01/03/96

METHOD BLANK

VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/28/95 MB/36222
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL

Lab ID: 36222-MB /8414
Matrix: Soil
Batch Number: 4895
Instrument/Column: MS04/RTX-502.2
Data File: P7561.d

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Chloromethane	BRL	10	12/28/95
Vinyl Chloride	BRL	10	12/28/95
Bromomethane	BRL	10	12/28/95
Chloroethane	BRL	10	12/28/95
Trichlorofluoromethane	BRL	10	12/28/95
Acetone	BRL	25	12/28/95
1,1-Dichloroethene	BRL	5.0	12/28/95
Methylene Chloride	BRL	5.0	12/28/95
Carbon Disulfide	BRL	5.0	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	12/28/95
1,1-Dichloroethane	BRL	5.0	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	12/28/95
Chloroform	BRL	5.0	12/28/95
1,2-Dichloroethane	BRL	5.0	12/28/95
2-Butanone	BRL	5.0	12/28/95
1,1,1-Trichloroethane	BRL	25	12/28/95
Carbon Tetrachloride	BRL	5.0	12/28/95
Benzene	BRL	5.0	12/28/95
Trichloroethene	BRL	5.0	12/28/95
1,2-Dichloropropane	BRL	5.0	12/28/95
Bromodichloromethane	BRL	5.0	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	12/28/95
1,1,2-Trichloroethane	BRL	5.0	12/28/95
Dibromochloromethane	BRL	5.0	12/28/95
Bromoform	BRL	5.0	12/28/95
4-Methyl-2-Pentanone	BRL	5.0	12/28/95
Toluene	BRL	25	12/28/95
2-Hexanone	BRL	5.0	12/28/95
Tetrachloroethene	BRL	25	12/28/95
Chlorobenzene	BRL	5.0	12/28/95
	BRL	5.0	12/28/95

METHOD BLANK

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 36222-MB /8414 1200

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Ethyl benzene	BRL	5.0	12/28/95
m & p Xylene	BRL	5.0	12/28/95
o-Xylene	BRL	5.0	12/28/95
Styrene	BRL	5.0	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	12/28/95
1,3-Dichlorobenzene	BRL	5.0	12/28/95
1,4-Dichlorobenzene	BRL	5.0	12/28/95
1,2-Dichlorobenzene	BRL	5.0	12/28/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	98	70 - 121
Toluene-d8	108	81 - 117
Bromofluorobenzene	104	74 - 121

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

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Report Generated: 01/03/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/27/95 LCS/36220
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL
LCS Date Analyzed: 12/27/95

Lab ID: 36220-LCS /8414

Matrix: Soil
Units: ug/Kg (ppb)
Batch Number: 4895
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: P7534.d

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethene	0	50	44	88	NA	NA	NA	59-172	≤22
Benzene	0	50	53	105	NA	NA	NA	66-142	≤21
Trichloroethene	0	50	47	94	NA	NA	NA	62-137	≤24
Toluene	0	50	54	107	NA	NA	NA	59-139	≤21
Chlorobenzene	0	50	57	114	NA	NA	NA	60-133	≤21

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
1,2-Dichloroethane-d4	50	53	107	NA	NA	70-121
Toluene-d8	50	55	110	NA	NA	81-117
Bromofluorobenzene	50	56	112	NA	NA	74-121

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

The cover letter and enclosures are integral parts of this report.

Approved by: /S Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/28/95 LCS/36221
Date Prepared: NA
Initial Wt./Volume: 5 grams
Final Volume: 5 mL
LCS Date Analyzed: 12/28/95

Lab ID: 36221-LCS /8414

Matrix: Soil
Units: ug/Kg (ppb)
Batch Number: 4895
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: P7553.d

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethene	0	50	41	83	NA	NA	NA	59-172	≤22
Benzene	0	50	52	104	NA	NA	NA	66-142	≤21
Trichloroethene	0	50	45	90	NA	NA	NA	62-137	≤24
Toluene	0	50	52	105	NA	NA	NA	59-139	≤21
Chlorobenzene	0	50	54	107	NA	NA	NA	60-133	≤21

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
1,2-Dichloroethane-d4	50	52	104	NA	NA	70-121
Toluene-d8	50	54	109	NA	NA	81-117
Bromofluorobenzene	50	53	106	NA	NA	74-121

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Rinse Blank 1
Sample Number: RB-1
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 mL
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-16/35673-8414
Date/Time Sampled: 12/21/95 11:55
Matrix: Water (W)
Batch Number: 4897

Instrument/Column: MS02/RTX-502.2
Data File: V8777.d

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/28/95
Vinyl Chloride	BRL	10	1	12/28/95
Bromomethane	BRL	10	1	12/28/95
Chloroethane	BRL	10	1	12/28/95
Trichlorofluoromethane	BRL	10	1	12/28/95
Acetone	BRL	25	1	12/28/95
1,1-Dichloroethene	BRL	5.0	1	12/28/95
Methylene Chloride	BRL	5.0	1	12/28/95
Carbon Disulfide	BRL	5.0	1	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/28/95
1,1-Dichloroethane	BRL	5.0	1	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/28/95
Chloroform	BRL	5.0	1	12/28/95
1,2-Dichloroethane	BRL	5.0	1	12/28/95
2-Butanone	BRL	25	1	12/28/95
1,1,1-Trichloroethane	BRL	5.0	1	12/28/95
Carbon Tetrachloride	BRL	5.0	1	12/28/95
Benzene	BRL	5.0	1	12/28/95
Trichloroethene	BRL	5.0	1	12/28/95
1,2-Dichloropropane	BRL	5.0	1	12/28/95
Bromodichloromethane	BRL	5.0	1	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/28/95
1,1,2-Trichloroethane	BRL	5.0	1	12/28/95
Dibromochloromethane	BRL	5.0	1	12/28/95
Bromoform	BRL	5.0	1	12/28/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-16/35673-8414

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/28/95
Toluene	BRL	5.0	1	12/28/95
2-Hexanone	BRL	25	1	12/28/95
Tetrachloroethene	BRL	5.0	1	12/28/95
Chlorobenzene	BRL	5.0	1	12/28/95
Ethyl benzene	BRL	5.0	1	12/28/95
m & p Xylene	BRL	5.0	1	12/28/95
o-Xylene	BRL	5.0	1	12/28/95
Styrene	BRL	5.0	1	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/28/95
1,3-Dichlorobenzene	BRL	5.0	1	12/28/95
1,4-Dichlorobenzene	BRL	5.0	1	12/28/95
1,2-Dichlorobenzene	BRL	5.0	1	12/28/95

Surrogates		% Recovery	Limits
1,2-Dichloroethane-d4	–	100	76 - 114
Toluene-d8		98	88 - 110
Bromofluorobenzene		95	86 - 115

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

VOLATILE ORGANICS

Analytical Method: EPA 8240

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Trip Blank
Sample Number: Trip Blank
Date/Time Received: 12/22/95 9:00
Date Prepared: NA
Initial Wt./Volume: 5 mL
Final Volume: 5 mL

SDG #: 13194
Project Number: 030601414002
Lab ID: 13194-43/35680-8414
Date/Time Sampled: 12/21/95 16:45
Matrix: Water (W)
Batch Number: 4897

Instrument/Column: MS02/RTX-502.2
Data File: V8776.d

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	10	1	12/28/95
Vinyl Chloride	BRL	10	1	12/28/95
Bromomethane	BRL	10	1	12/28/95
Chloroethane	BRL	10	1	12/28/95
Trichlorofluoromethane	BRL	10	1	12/28/95
Acetone	BRL	25	1	12/28/95
1,1-Dichloroethene	BRL	5.0	1	12/28/95
Methylene Chloride	BRL	5.0	1	12/28/95
Carbon Disulfide	BRL	5.0	1	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	1	12/28/95
1,1-Dichloroethane	BRL	5.0	1	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	1	12/28/95
Chloroform	BRL	5.0	1	12/28/95
1,2-Dichloroethane	BRL	5.0	1	12/28/95
2-Butanone	BRL	25	1	12/28/95
1,1,1-Trichloroethane	BRL	5.0	1	12/28/95
Carbon Tetrachloride	BRL	5.0	1	12/28/95
Benzene	BRL	5.0	1	12/28/95
Trichloroethene	BRL	5.0	1	12/28/95
1,2-Dichloropropane	BRL	5.0	1	12/28/95
Bromodichloromethane	BRL	5.0	1	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	1	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	1	12/28/95
1,1,2-Trichloroethane	BRL	5.0	1	12/28/95
Dibromochloromethane	BRL	5.0	1	12/28/95
Bromoform	BRL	5.0	1	12/28/95

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 13194-43/35680-8414

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
4-Methyl-2-Pentanone	BRL	25	1	12/28/95
Toluene	BRL	5.0	1	12/28/95
2-Hexanone	BRL	25	1	12/28/95
Tetrachloroethene	BRL	5.0	1	12/28/95
Chlorobenzene	BRL	5.0	1	12/28/95
Ethyl benzene	BRL	5.0	1	12/28/95
m & p Xylene	BRL	5.0	1	12/28/95
o-Xylene	BRL	5.0	1	12/28/95
Styrene	BRL	5.0	1	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	1	12/28/95
1,3-Dichlorobenzene	BRL	5.0	1	12/28/95
1,4-Dichlorobenzene	BRL	5.0	1	12/28/95
1,2-Dichlorobenzene	BRL	5.0	1	12/28/95

Surrogates		% Recovery	Limits
1,2-Dichloroethane-d4	-	100	76 - 114
Toluene-d8		102	88 - 110
Bromofluorobenzene		100	86 - 115

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

METHOD BLANK

VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/28/95 MB/36231
Date Prepared: NA
Initial Wt./Volume: 5 mL
Final Volume: 5 mL

Lab ID: 36231-MB /8414
Matrix: Water
Batch Number: 4897
Instrument/Column: MS02/RTX-502.2
Data File: V8763.d

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Date Analyzed
Chloromethane	BRL	10	12/28/95
Vinyl Chloride	BRL	10	12/28/95
Bromomethane	BRL	10	12/28/95
Chloroethane	BRL	10	12/28/95
Trichlorofluoromethane	BRL	10	12/28/95
Acetone	BRL	25	12/28/95
1,1-Dichloroethene	BRL	5.0	12/28/95
Methylene Chloride	BRL	5.0	12/28/95
Carbon Disulfide	BRL	5.0	12/28/95
trans-1,2-Dichloroethene	BRL	5.0	12/28/95
1,1-Dichloroethane	BRL	5.0	12/28/95
cis-1,2-Dichloroethene	BRL	5.0	12/28/95
Chloroform	BRL	5.0	12/28/95
1,2-Dichloroethane	BRL	5.0	12/28/95
2-Butanone	BRL	25	12/28/95
1,1,1-Trichloroethane	BRL	5.0	12/28/95
Carbon Tetrachloride	BRL	5.0	12/28/95
Benzene	BRL	5.0	12/28/95
Trichloroethene	BRL	5.0	12/28/95
1,2-Dichloropropane	BRL	5.0	12/28/95
Bromodichloromethane	BRL	5.0	12/28/95
trans-1,3-Dichloropropene	BRL	5.0	12/28/95
cis-1,3-Dichloropropene	BRL	5.0	12/28/95
1,1,2-Trichloroethane	BRL	5.0	12/28/95
Dibromochloromethane	BRL	5.0	12/28/95
Bromoform	BRL	5.0	12/28/95
4-Methyl-2-Pentanone	BRL	25	12/28/95
Toluene	BRL	5.0	12/28/95
2-Hexanone	BRL	25	12/28/95
Tetrachloroethene	BRL	5.0	12/28/95
Chlorobenzene	BRL	5.0	12/28/95

METHOD BLANK

VOLATILE ORGANICS

Analytical Method: EPA 8240

Lab ID: 36231-MB /8414 1324

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Date Analyzed
Ethyl benzene	BRL	5.0	12/28/95
m & p Xylene	BRL	5.0	12/28/95
o-Xylene	BRL	5.0	12/28/95
Styrene	BRL	5.0	12/28/95
1,1,2,2-Tetrachloroethane	BRL	5.0	12/28/95
1,3-Dichlorobenzene	BRL	5.0	12/28/95
1,4-Dichlorobenzene	BRL	5.0	12/28/95
1,2-Dichlorobenzene	BRL	5.0	12/28/95

Surrogates	% Recovery	Limits
1,2-Dichloroethane-d4	94	76 - 114
Toluene-d8	101	88 - 110
Bromofluorobenzene	96	86 - 115

The cover letter and enclosures are integral parts of this report.

Approved by: TS Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE ORGANICS

Analytical Method: EPA 8240

Sample ID: 12/28/95 LCS/36230
Date Prepared: NA
Initial Wt./Volume: 5 mL
Final Volume: 5 mL
LCS Date Analyzed: 12/28/95

Lab ID: 36230-LCS /8414

Matrix: Water
Units: ug/L (ppb)
Batch Number: 4897
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: V8765.d

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethene	0	50	48	96	NA	NA	NA	61-145	≤14
Benzene	0	50	48	96	NA	NA	NA	76-127	≤11
Trichloroethene	0	50	48	96	NA	NA	NA	71-120	≤14
Toluene	0	50	48	97	NA	NA	NA	76-125	≤13
Chlorobenzene	0	50	49	98	NA	NA	NA	75-130	≤13

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
1,2-Dichloroethane-d4	50	54	108	NA	NA	76-114
Toluene-d8	50	50	100	NA	NA	88-110
Bromofluorobenzene	50	51	102	NA	NA	86-115

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

The cover letter and enclosures are integral parts of this report.

Approved by: 15 Date: 1-3-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

MBT Environmental
Laboratories

3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

Master Builders Technologies

Date: January 3, 1996
LP #: 13167

Everett Ferguson
McLaren/Hart Environmental Engineering
16755 Von Karman Avenue
Irvine, CA 92714

Dear Mr. Ferguson:

Enclosed are the laboratory results for the samples submitted to MBT Environmental Laboratories on December 20, 1995, for the project *Mobil Jalk Fee.*

The report consists of the following sections:

1. Cover Page
2. Copy of Chain-of-Custody
3. General Narrative
4. Analytical and Quality Control Results

Unless otherwise instructed by you, samples will be disposed of two weeks from the date of this letter.

Thank you for choosing MBT Environmental Laboratories. We are looking forward to serving you in the future. Should you have any questions concerning this analytical report or the analytical methods employed, please do not hesitate to call.

Sincerely,

Chris Phillips

Chris Phillips
Project Coordinator

Enclosure: EDD

ANALYTICAL REPORT

LABORATORY PROJECT (LP) NUMBER 13167

MOBIL JALK FEE

The analyses performed by MBT Environmental Laboratories in this report comply with the requirements under the following certification/approval:

	ARIZONA:	Hazardous Waste, #AZ0468 Waste Water, # AZ0468 Drinking Water, #AZ0468
✓	CALIFORNIA:	Hazardous Waste, #1417 Waste Water, # 1417 Drinking Water, #1417 Mobile Lab, #2070
	CONNECTICUT:	Waste Water, #PH0799
	FLORIDA:	Environmental Water, #E87298 CQAPP #930105
	KANSAS:	Hazardous Waste, #E-1167 Waste Water, #E-192 Drinking Water, #E-192
	NEW HAMPSHIRE:	Waste Water, #253195-B Drinking Water, #253195-A
	NEW JERSEY:	Waste Water, #44818
	NEW YORK:	Hazardous Waste, #11241 Waste Water, #11241 CLP, #11241
	OKLAHOMA:	Hazardous Waste, #9318 Waste Water, #9318
	SOUTH CAROLINA:	Hazardous Waste, #87013 Waste Water, #87013
	TENNESSEE:	Underground Storage Tank
	WASHINGTON:	Hazardous Waste, #C048
	WISCONSIN:	Hazardous Waste, #999940920 Waste Water, #999940920
	USACOE:	Hazardous Waste Waste Water
	AFCEE	Hazardous Waste Waste Water

(CN13167)

M[illegible] Environmental
L[illegible]tories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

CHAIN OF CUSTODY RECORD 15995

SIDE 2 FOR COMPLETE INSTRUCTIONS

Project Name: MOBIL JALK FEE
Project Number: 03.0601414.0002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13167 Storage ID: 124-A 8
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No
AIR BUBBLES: 2-021

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8 ☐ A

Write in Analysis Method

SAMPLE INFORMATION

ANALYSES REQUESTED

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8015 mod (FS)	8020 BETX
1 13167-001	BC-71	12/19	1010	Bio Pile 2 cell 71	1 ft	1	BRASS	SOIL	NONE	2WK	X	X
2 002	BC-59		1025	Bio Pile 2 cell 59	1 ft	1	BRASS	SOIL	NONE	2WK	X	X
3 003	BC-76		1040	Bio Pile 2 cell 76	1 ft	1	BRASS	SOIL	NONE	2WK	X	X
4 004	BC-80		1055	Pile 2 cell 80				SOIL			X	X
5 005	BC-57		1110	Pile 2 cell 57							X	X
6 006	BC-67		1135	Pile 2 cell 67							X	X
7 007	BC-55		1155	Pile 2 cell 55							X	X
8 008	BC-27		1310	Pile 1 cell 27							X	X
9 009	BC-46		1325	Pile 1 cell 46							X	X
10 010	BC-25	12/19	1335	Pile 1 cell 25	1 ft	1	BRASS	SOIL	NONE	2WK	X	X

SEND REPORT TO:
Company Name McLAREN HART
Client Name Everett Ferguson
Address 16755 VON KARMAN AVE
IRVINE, CA 92714
Phone 714 7562667 Fax

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments
8015 Full Screen
8020 BTEX

Sampler Name: MIKE WARRINER
Signature: [signature]
PPE Worn in Field: LEVEL D
12/19/95 1645P

Relinquished By: Mike Warriner [signature] Date/Time 12/19/95 1709
Received By or Method of Shipment/Shipment I.D.: [signature] E ARIZMENDO 910 Date/Time 12/19/95 1709

Relinquished By: EXPRESS IT Date/Time
Received By or Method of Shipment/Shipment I.D.: [signature] Date/Time 12-20-95 0950

Relinquished By: Date/Time
Received By or Method of Shipment/Shipment I.D. Date/Time

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

M Environmental
L atories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

SHIP 1 2 OF 3

CHAIN OF CUSTODY RECORD 15999

SIDE 2 FOR COMPLETE INSTRUCTIONS

Project Name: MOBIL JALK FEE
Project Number: 030601414.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13167 Storage ID: 124-A 8
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Sample Disposal (check one)
[X] Laboratory Standard
[ ] Other

Level of QC (see Side 2): [X] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6A [ ] 6B [ ] 6C [ ] 6D [ ] 6E [ ] 6F [ ] 7 [ ] 8 [ ] A

Write in Analysis Method

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8015 mod (FS)	8020 BETX
1 13167-011	BC-2	12/19	1350	Bio Pile 1 Cell 2	1 ft	1	BRASS	Soil	NONE	2 wk	X	X
2 012	BC-30		1405	Bio Pile 1 Cell 30							X	X
3 013	BC-43		1415	Bio Pile 1 Cell 43							X	X
4 014	BC-21		1430	Bio Pile 1 Cell 21							X	X
5 015	BC-6		1440	Bio Pile 1 Cell 6							X	X
6 016	BC-12		1605	Pile 1 Cell 12							X	X
7 017	BC-15		1615	Pile 1 Cell 15							X	X
8 018	BC-17		1620	Pile 1 Cell 17							X	X
9 019	BC-40		1625	Pile 1 Cell 40							X	X
10 020	BC-4	12/19	1640	Pile 1 Cell 4	1 ft	1	BRASS	Soil	None	2 wk	X	X

SEND REPORT TO:
Company Name McLaren/Hart
Client Name Everett Ferguson
Address 16755 Von Karman Ave
Irvine CA 92714
Phone 714-756-2667 Fax

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments
8015 - Full screen
8020 BTEX

Samples Name: Mike Warriner
Signature: [signature]
Relinquished By: Mike Warriner
Date/Time: 12/19/95 1709
Relinquished By: EXPRESS IT
Date/Time:
Relinquished By:
Date/Time:

PPE Worn in Field: LEVEL D
Received By or Method of Shipment/Shipment I.D.: [signature] BARRIMENDEZ 9101
Date/Time: 12/19/95 445P
Received By or Method of Shipment/Shipment I.D.: [signature]
Date/Time: 12-19-95 1709
Received By or Method of Shipment/Shipment I.D.: [signature]
Date/Time: 12-20-95 0950

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

Phone 916/852-6600
Fax 916/852-7292

Project Name: MOBIL JALK FEE
Project Number: 03.0601414.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13167 *Storage ID:* 124-A, 8
Sample Condition Upon Receipt: Temp: 2 °C *Geiger:*
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Sample Disposal (check one)
- [x] Laboratory Standard
- [ ] Other

Level of QC (see Side 2): [x] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6A [ ] 6B [ ] 6C [ ] 6D [ ] 6E [ ] 6F [ ] 7 [ ] 8 [ ] A

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8015 mod (FS)	8020 BTEX	
1 13167-021	TRIP BLANK	12/19	1645	—	—	1	40ml VOA	water	HCl	2wk	x	x	HOLD
2 1	TRIP BLANK	12/19	1645	—	—	1	40ml VOA	water	HCl	2wk	x	x	HOLD
3													
4													
5													
6													
7													
8													
9													
10													

SEND REPORT TO:
Company Name: McLAREN/HART
Client Name: Everett Ferguson
Address: 16755 Von Karman Ave
Irvine CA 92714
Phone: 714-756-2667 Fax:

BILL TO (if different):
Company Name:
Address:
PO #:
Phone: Fax:

Special Instructions/Comments
CALL EVERETT
FOR INSTRUCTIONS
REGARDING TRIP BLANKS

Sampler Name	Signature	PPE Worn in Field	
MIKE WARRINER	[signature]	LEVEL D	12/19/95 1645
Relinquished By:	**Date/Time**	**Received By or Method of Shipment/Shipment I.D.**	**Date/Time**
Mike Warriner [signature]	12/19/95 1709	[signature] WE ARRIMON 9104	12/19/95 1709
Relinquished By:	**Date/Time**	**Received By or Method of Shipment/Shipment I.D.**	**Date/Time**
EXPRESS IT		Cindy N.	12-20-95 0950
Relinquished By:	**Date/Time**	**Received By or Method of Shipment/Shipment I.D.**	**Date/Time**

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8060
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolve

GENERAL NARRATIVE

Comments:

Test methods may include minor modifications of published EPA methods (e.g., reporting limits or parameter lists). Reporting limits are adjusted to reflect dilution of the sample when appropriate. Solids and waste are analyzed with no correction made for moisture content.

Percent recoveries for laboratory control samples and matrix spikes have been calculated using unrounded concentration values. Therefore, percent recoveries reported may differ slightly from those obtained from the rounded concentration values which appear on the report.

EPA 8015 Modified - Fuel Fingerprinting:

For EPA 8015 Modified - Fuel Fingerprinting (GC), all peaks within the C7-C32 carbon range are compared to the standard which the peaks most closely resemble. Values reported are calculated based on the total area of the peaks in the carbon range of that standard.

The matrix spike/matrix spike duplicate RPDs flagged on the matrix spike data sheet are outside of advisory quality control limits, indicating possible sample matrix nonhomogeneity.

EPA 8020 BTEX:

Non-target analytes are present on the chromatograph for the following samples: 13167-6, 13167-12, 13167-15, 13167-17, and 13167-18.

Abbreviations and Definitions:

MB	*Method Blank* - An aliquot of a blank matrix carried throughout the entire analytical process
LCS	*Laboratory Control Sample* - A blank to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the accuracy of the method
MS/MSD	*Matrix Spike/Matrix Spike Duplicate* - Duplicate samples to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the extent of matrix bias or interference on analyte recovery
RPD	*Relative Percent Difference* - The measurement of precision between duplicate analyses
BRL	*Below Reporting Limit*
NS	*Not Specified*
NA	*Not Applicable*

(CN13167)

Flags:

Organics -

J Estimated value below the reporting limit and at or above the method detection limit.

B Analyte found in the associated blank, as well as in the sample.

Inorganics -

B Estimated value below the reporting limit and at or above the method detection limit.

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 2 Cell 71 1.0-0.0
Sample Number: BC-71
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-1/35113-7950
Date/Time Sampled: 12/19/95 10:10
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	110	10	1	12/27/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 2 Cell 59 1.0-0.0
Sample Number: BC-59
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-2/35114-7950
Date/Time Sampled: 12/19/95 10:25
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	4600	2000	200	12/22/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 2 Cell 76 1.0-0.0
Sample Number: BC-76
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-3/35115-7950
Date/Time Sampled: 12/19/95 10:40
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	11	10	1	12/27/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 80 1.0-0.0
Sample Number: BC-80
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-4/35116-7950
Date/Time Sampled: 12/19/95 10:55
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	110	50	5	12/27/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 57 1.0-0.0
Sample Number: BC-57
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-5/35117-7950
Date/Time Sampled: 12/19/95 11:10
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/27/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 67 1.0-0.0
Sample Number: BC-67
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-6/35118-7950
Date/Time Sampled: 12/19/95 11:35
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	1100	500	50	12/27/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 55 1.0-0.0
Sample Number: BC-55
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-7/35119-7950
Date/Time Sampled: 12/19/95 11:55
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	610	500	50	01/02/96

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 27 1.0-0.0
Sample Number: BC-27
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-8/35120-7950
Date/Time Sampled: 12/19/95 13:10
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	65	10	1	12/27/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 46 1.0-0.0
Sample Number: BC-46
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-9/35121-7950
Date/Time Sampled: 12/19/95 13:25
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	130	10	1	12/29/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 25 1.0-0.0
Sample Number: BC-25
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-10/35122-7950
Date/Time Sampled: 12/19/95 13:35
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/22/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 2 1.0-0.0
Sample Number: BC-2
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-11/35123-7950
Date/Time Sampled: 12/19/95 13:50
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/22/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 30 1.0-0.0
Sample Number: BC-30
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-12/35124-7950
Date/Time Sampled: 12/19/95 14:05
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	700	200	20	12/27/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 43 1.0-0.0
Sample Number: BC-43
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-13/35125-7950
Date/Time Sampled: 12/19/95 14:15
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/27/95

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-2-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 21 1.0-0.0
Sample Number: BC-21
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-14/35126-7950
Date/Time Sampled: 12/19/95 14:30
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
No petroleum fractions found	BRL	10	1	12/27/95

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EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 6 1.0-0.0
Sample Number: BC-6
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-15/35127-7950
Date/Time Sampled: 12/19/95 14:40
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	520	50	5	12/29/95

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FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 15 1.0-0.0
Sample Number: BC-15
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-17/35129-7950
Date/Time Sampled: 12/19/95 16:15
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	130	10	1	12/27/95

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FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 12 1.0-0.0
Sample Number: BC-12
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-16/35128-7950
Date/Time Sampled: 12/19/95 16:05
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	460	50	5	12/27/95

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FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 17 1.0-0.0
Sample Number: BC-17
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-18/35130-7950
Date/Time Sampled: 12/19/95 16:20
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	630	50	5	12/27/95

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FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 40 1.0-0.0
Sample Number: BC-40
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-19/35131-7950
Date/Time Sampled: 12/19/95 16:25
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Diesel (C12-C22)	23	10	1	12/29/95
Motor Oil (C22-C32)	140	10	1	12/29/95

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FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 4 1.0-0.0
Sample Number: BC-4
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-20/35132-7950
Date/Time Sampled: 12/19/95 16:40
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Motor Oil (C22-C32)	55	10	1	12/27/95

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FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 40 1.0-0.0
Sample Number: BC-40
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 grams
Final Volume: 5 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-19/35131-7950
Date/Time Sampled: 12/19/95 16:25
Matrix: Soil (S)
Batch Number: 4781-951220
% Moisture: NA

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Dilution Factor	Date Analyzed
Diesel (C12-C22)	23	10	1	12/29/95
Motor Oil (C22-C32)	140	10	1	12/29/95

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METHOD BLANK

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Sample ID: 12/20/95 MB/35351
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 60 grams
Final Volume: 1 mL

Lab ID: 35351-MB /7950
Matrix: Soil
Batch Number: 4781-951220

Analyte	Result mg/Kg (ppm)	Reporting Limit mg/Kg (ppm)	Date Analyzed
No petroleum fractions found	BRL	10	12/22/95

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LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Date Prepared: 12/20/95 15:00:
Initial Wt./Volume: 60 grams
Final Volume: 1 mL
LCS Date Analyzed: 12/27/95

Lab ID: 35352-LS1 /7950
Matrix: Soil Units: mg/Kg (ppm)
Batch Number: 4781-951220
LCSD Date Analyzed: NA

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
Diesel (C12-C22)	0	42	38	90	NA	NA	NA	52-125	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE

EPA 8015 MODIFIED
FUEL FINGERPRINTING (GC)

Preparation Method: EPA 3550S

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 4 1.0-0.0
Sample Number: BC-4
Date/Time Received: 12/20/95 09:50
Date Prepared: 12/20/95 15:00
Initial Wt./Volume: 30 , 30 grams
Final Volume: 5 , 5 mL
MS Date Analyzed: 12/28/95

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-20/35353,35354-7950
Date/Time Sampled: 12/19/95 16:40
Matrix: Soil (S) Units: mg/Kg (ppm)
Batch Number: 4781-951220
% Moisture: NA

MSD Date Analyzed: 12/28/95

Analyte	(a) Sample Conc.	(b) MS/ MSD Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
Diesel (C12-C22)	0	42	16	39*	14	34*	13	52-125	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Qualifier Legend:
* - Values outside QC

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 2 Cell 71 1.0-0.0
Sample Number: BC-71
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-1/35113-4101
Date/Time Sampled: 12/19/95 10:10
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d25-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/28/95
Toluene	BRL	10	1	12/28/95
Ethyl benzene	BRL	10	1	12/28/95
1,2-Xylene	BRL	10	1	12/28/95
1,3-Xylene	BRL	10	1	12/28/95
1,4-Xylene	BRL	10	1	12/28/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	98	60 - 111

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 2 Cell 59 1.0-0.0
Sample Number: BC-59
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-2/35114-4101
Date/Time Sampled: 12/19/95 10:25
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d31-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	86	60 - 111

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 2 Cell 76 1.0-0.0
Sample Number: BC-76
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-3/35115-4101
Date/Time Sampled: 12/19/95 10:40
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d32-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	95	60 - 111

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 80 1.0-0.0
Sample Number: BC-80
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-4/35116-4101
Date/Time Sampled: 12/19/95 10:55
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d33-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	70	60 - 111

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 57 1.0-0.0
Sample Number: BC-57
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-5/35117-4101
Date/Time Sampled: 12/19/95 11:10
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d34-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	92	60 - 111

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 67 1.0-0.0
Sample Number: BC-67
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-6/35118-4101
Date/Time Sampled: 12/19/95 11:35
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d35-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	76	60 - 111

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 2 Cell 55 1.0-0.0
Sample Number: BC-55
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-7/35119-4101
Date/Time Sampled: 12/19/95 11:55
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d36-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	90	60 - 111

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 27 1.0-0.0
Sample Number: BC-27
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-8/35120-4101
Date/Time Sampled: 12/19/95 13:10
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d37-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	96	60 - 111

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 46 1.0-0.0
Sample Number: BC-46
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-9/35121-4101
Date/Time Sampled: 12/19/95 13:25
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d38-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	76	60 - 111

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 25 1.0-0.0
Sample Number: BC-25
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-10/35122-4101
Date/Time Sampled: 12/19/95 13:35
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d39-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	81	60 - 111

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VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 2 1.0-0.0
Sample Number: BC-2
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-11/35123-4101
Date/Time Sampled: 12/19/95 13:50
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d16-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	89	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: CM Date: 1/3/96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 30 1.0-0.0
Sample Number: BC-30
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-12/35124-4101
Date/Time Sampled: 12/19/95 14:05
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d17-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	85	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: CM Date: 1/3/96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 43 1.0-0.0
Sample Number: BC-43
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-13/35125-4101
Date/Time Sampled: 12/19/95 14:15
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d18-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	91	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: CM Date: 1/3/96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 21 1.0-0.0
Sample Number: BC-21
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-14/35126-4101
Date/Time Sampled: 12/19/95 14:30
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d19-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	87	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: CM Date: 1/3/96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 1 Cell 6 1.0-0.0
Sample Number: BC-6
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-15/35127-4101
Date/Time Sampled: 12/19/95 14:40
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d20-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	84	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: CM Date: 1/3/96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 12 1.0-0.0
Sample Number: BC-12
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-16/35128-4101
Date/Time Sampled: 12/19/95 16:05
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d21-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	86	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: CM Date: 1/3/96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 15 1.0-0.0
Sample Number: BC-15
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-17/35129-4101
Date/Time Sampled: 12/19/95 16:15
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d22-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	92	60 - 111

The cover letter and enclosures are integral parts of this report.

Approved by: CM Date: 1/3/96

MBT Environmental Laboratories

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Report Generated: 01/02/96

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 17 1.0-0.0
Sample Number: BC-17
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-18/35130-4101
Date/Time Sampled: 12/19/95 16:20
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d23-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	84	60 - 111

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Approved by: AM Date: 1/3/96

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Report Generated: 01/03/96

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 40 1.0-0.0
Sample Number: BC-40
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-19/35131-4101
Date/Time Sampled: 12/19/95 16:25
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d24-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	93	60 - 111

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Approved by: CM Date: 1/3/96

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Report Generated: 01/03/96

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Pile 1 Cell 4 1.0-0.0
Sample Number: BC-4
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-20/35132-4101
Date/Time Sampled: 12/19/95 16:40
Matrix: Soil (S)
Batch Number: 4880
% Moisture: NA
Instrument/Column: vgc04/DB-WAX
Data File: 95362d25-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Benzene	BRL	10	1	12/29/95
Toluene	BRL	10	1	12/29/95
Ethyl benzene	BRL	10	1	12/29/95
1,2-Xylene	BRL	10	1	12/29/95
1,3-Xylene	BRL	10	1	12/29/95
1,4-Xylene	BRL	10	1	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	82	60 - 111

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Approved by: CM Date: 1/3/96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/03/96

METHOD BLANK

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Sample ID: 12/22/95 MB/36047
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

Lab ID: 36047-MB /4101
Matrix: Soil
Batch Number: 4880
Instrument/Column: vgc04/DB-WAX
Data File: 95362d28-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Benzene	BRL	10	12/29/95
Toluene	BRL	10	12/29/95
Ethyl benzene	BRL	10	12/29/95
1,2-Xylene	BRL	10	12/29/95
1,3-Xylene	BRL	10	12/29/95
1,4-Xylene	BRL	10	12/29/95

Surrogates	% Recovery	Limits
Bromofluorobenzene	96	60 - 111

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Approved by: CM Date: 1/3/96

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Report Generated: 01/02/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL
LCS Date Analyzed: 12/30/95

Lab ID: 36048-LS1 /4101
Matrix: Soil
Units: ug/Kg (ppb)
Batch Number: 4880
LCSD Date Analyzed: NA
Instrument/Column: /DB-WAX
Data File: 95362d29-0

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
Benzene	0	250	240	96	NA	NA	NA	70-124	≤25
Ethyl benzene	0	250	240	94	NA	NA	NA	67-128	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	190	96	NA	NA	60-111

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

The cover letter and enclosures are integral parts of this report.

Approved by: CM Date: 1/3/96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

VOLATILE AROMATIC COMPOUNDS

Analytical Method: Modified EPA 8020 (BTEX)
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Bio Pile 2 Cell 71 1.0-0.0
Sample Number: BC-71
Date/Time Received: 12/20/95 09:50
Date Prepared: NA
Initial Wt./Volume: 20 , 20 grams
Final Volume: 10 , 10 mL
MS Date Analyzed: 12/28/95

SDG #: 13167
Project Number: 030601414002
Lab ID: 13167-1/36045,36046-4101
Date/Time Sampled: 12/19/95 10:10
Matrix: Soil (S) Units: ug/Kg (ppb)
Batch Number: 4880
% Moisture: NA

MSD Date Analyzed: 12/28/95
Instrument/Column: /DB-WAX
Data File: 95362d23-0, 95362d24-

Analyte	(a) Sample Conc.	(b) MS/ MSD Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
Benzene	0	250	210	84	260	104	21	70-124	≤25
Ethyl benzene	0	250	210	84	260	104	21	67-128	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) MS/ MSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	180	91	210	104	60-111

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

The cover letter and enclosures are integral parts of this report.

Approved by: CM Date: 1/3/96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/02/96

MBT Environmental
Laboratories

3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

Master Builders Technologies

Date: January 10, 1996
LP #: 13202

Everett Ferguson
McLaren/Hart, Inc.
16755 Von Karman Avenue
Irvine, CA 92714

Dear Mr. Ferguson:

Enclosed are the laboratory results for the samples submitted to MBT Environmental Laboratories on December 23, 1995, for the project *Mobil Jalk Fee*.

The report consists of the following sections:

1. Cover Page
2. Copy of Chain-of-Custody
3. General Narrative
4. Analytical and Quality Control Results

Unless otherwise instructed by you, samples will be disposed of two weeks from the date of this letter.

Thank you for choosing MBT Environmental Laboratories. We are looking forward to serving you in the future. Should you have any questions concerning this analytical report or the analytical methods employed, please do not hesitate to call.

Sincerely,

Chris Phillips
Project Coordinator

Enclosure: EDD

Phone 916/852-6600
Fax 916/852-7292

CHAI OF CUSTODY RECORD

15919

SEE SIDE 2 FOR COMPLETE INSTRUCTIONS

Project Name: MOBIL JACK FEE
Project Number: 03.0601414.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13202 Storage ID: 4-6, 1
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8 ☐ A

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8010
1 13202 - 001	GP-19-1	12/22	1135	GP-19	5 ft	1	BRASS	SOIL	—	2NK	X
2 002	GP-19-2		1140		10 ft						X
3 003	GP-19-3		1145		15 ft						X
4 004	GP-19-4		1200		20 ft						X
5 005	GP-19-5		1235		25 ft						X
6 006	GP-19-6		1245		30 ft						X
7 007	GP-19-7		1315		35 ft						X
8 008	GP-19-8		1345	GP-19	40 ft	1	BRASS	soil	—		X
9 009	RB-1		1345	RINSE BLANK	—	2	40 ml VOA	water	HCl	2NK	X
10 010	TRIP BLANK	12/22	1345	TRIP BLANK		2	40 ml VOA	water	HCl	2NK	X

SEND REPORT TO:
Company Name McLAREN/HART
Client Name EVERETT FERGUSON
Address IRVINE OFFICE
Phone Fax

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments

Sampler Name: MIKE WARRINER
Signature: [signature]
Relinquished By: Mike Warriner [signature] Date/Time: 12/22/95 1715
Relinquished By: [signature] Date/Time: 12-22-95 10:20
Relinquished By: Date/Time:

PPE Worn in Field: LEVEL D
Received By or Method of Shipment/Shipment I.D.: LARRY RAYMOND Date/Time: 12/22/95 1710
Received By or Method of Shipment/Shipment I.D.: [signature] Date/Time: 12-22-95 1710
Received By or Method of Shipment/Shipment I.D.: [signature] Date/Time: 12/22/95 [illegible]

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8060
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

...ories
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

CHAIN OF CUSTODY RECORD 15912

...E SIDE 2 FOR ...OMPLETE ...RUCTIONS

Project Name: MOBIL JACK FEE
Project Number: 03.0601414.002
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 12 Storage ID: 4-6, 1
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8 ☐ A

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	ANALYSES REQUESTED: 8010
1 13202 011	GP-20-1	12/22	1415	GP-20	5 ft	1	BRASS	SOIL	NONE	2WK	X
2 012	GP-20-2		1420	↑	10 ft	↑	↑	↑	↑	↑	X
3 013	GP-20-3		1435	↕	15 ft	↕	↕	↕	↕	↕	X
4 014	GP-20-4		1440	↓	20 ft	↓	↓	↓	↓	↓	X
5 015	GP-20-5	12/22	1700	GP-20	25 ft	1	BRASS	SOIL	NONE	2WK	X
6											
7											
8											
9											
10											

SEND REPORT TO:
Company Name MCLAREN/HART
Client Name EVERETT FERGUSON
Address IRVINE OFFICE
Phone Fax

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments

Sampler Name MIKE WARRINER Signature PPE Worn in Field LEVEL D 12/22/95 1710

Relinquished By: MIKE WARRINER Date/Time 12/22/95 1715 Received By or Method of Shipment/Shipment I.D. LARRY RAYMOND Date/Time 12-22-95 17:10

Relinquished By: Date/Time 12-23-95 10:20 Received By or Method of Shipment/Shipment I.D. Date/Time 12/23/95 10:20

Relinquished By: Date/Time Received By or Method of Shipment/Shipment I.D. Date/Time

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivos
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Diesel

ANALYTICAL REPORT

LABORATORY PROJECT (LP) NUMBER 13202

MOBIL JALK FEE

The analyses performed by MBT Environmental Laboratories in this report comply with the requirements under the following certification/approval:

	ARIZONA:	Hazardous Waste, #AZ0468 Waste Water, # AZ0468 Drinking Water, #AZ0468
✓	CALIFORNIA:	Hazardous Waste, #1417 Waste Water, # 1417 Drinking Water, #1417 Mobile Lab, #2070
	CONNECTICUT:	Waste Water, #PH0799
	FLORIDA:	Environmental Water, #E87298 CQAPP #930105
	KANSAS:	Hazardous Waste, #E-1167 Waste Water, #E-192 Drinking Water, #E-192
	NEW HAMPSHIRE:	Waste Water, #253195-B Drinking Water, #253195-A
	NEW JERSEY:	Waste Water, #44818
	NEW YORK:	Hazardous Waste, #11241 Waste Water, #11241 CLP, #11241
	OKLAHOMA:	Hazardous Waste, #9318 Waste Water, #9318
	SOUTH CAROLINA:	Hazardous Waste, #87013 Waste Water, #87013
	TENNESSEE:	Underground Storage Tank
	WASHINGTON:	Hazardous Waste, #C048
	WISCONSIN:	Hazardous Waste, #999940920 Waste Water, #999940920
	USACOE:	Hazardous Waste Waste Water
	AFCEE	Hazardous Waste Waste Water

(CN13202)

MBT Environmental Laboratories

GENERAL NARRATIVE

Comments:

Test methods may include minor modifications of published EPA methods (e.g., reporting limits or parameter lists). Reporting limits are adjusted to reflect dilution of the sample when appropriate. Solids and waste are analyzed with no correction made for moisture content.

Percent recoveries for laboratory control samples and matrix spikes have been calculated using unrounded concentration values. Therefore, percent recoveries reported may differ slightly from those obtained from the rounded concentration values which appear on the report.

EPA 8010 (Soil):

The surrogate recoveries for the analytes flagged on the data sheet were beyond acceptance limits for the following samples: 13202-1, 13202-3, 13202-4, 13202-5, 13202-6, 13202-7, 13202-8, 13202-11, 13202-14, 13202-15.

The following sample was analyzed at a dilution to bring target analytes within linear working range: 13202-15.

Abbreviations and Definitions:

MB	*Method Blank* - An aliquot of a blank matrix carried throughout the entire analytical process
LCS	*Laboratory Control Sample* - A blank to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the accuracy of the method
MS/MSD	*Matrix Spike/Matrix Spike Duplicate* - Duplicate samples to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the extent of matrix bias or interference on analyte recovery
RPD	*Relative Percent Difference* - The measurement of precision between duplicate analyses
BRL	*Below Reporting Limit*
NS	*Not Specified*
NA	*Not Applicable*

Flags:

(CN13202)

Organics -

J Estimated value below the reporting limit and at or above the method detection limit.

B Analyte found in the associated blank, as well as in the sample.

Inorganics -

B Estimated value below the reporting limit and at or above the method detection limit.

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 5.0-0.0
Sample Number: GP-19-1
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-1/35772-4005B
Date/Time Sampled: 12/21/95 11:35
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e28-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/03/96
Bromomethane	BRL	100	1	01/03/96
Vinyl Chloride	BRL	20	1	01/03/96
Chloroethane	BRL	100	1	01/03/96
Methylene Chloride	BRL	250	1	01/03/96
Trichlorofluoromethane	BRL	10	1	01/03/96
1,1-Dichloroethene	BRL	10	1	01/03/96
1,1-Dichloroethane	BRL	10	1	01/03/96
cis-1,2-Dichloroethene	BRL	10	1	01/03/96
trans-1,2-Dichloroethene	BRL	10	1	01/03/96
Chloroform	BRL	10	1	01/03/96
1,2-Dichloroethane	BRL	10	1	01/03/96
1,1,1-Trichloroethane	BRL	10	1	01/03/96
Carbon Tetrachloride	BRL	10	1	01/03/96
Bromodichloromethane	BRL	10	1	01/03/96
1,2-Dichloropropane	BRL	10	1	01/03/96
cis-1,3-Dichloropropene	BRL	10	1	01/03/96
Trichloroethene	BRL	10	1	01/03/96
Dibromochloromethane	BRL	20	1	01/03/96
1,1,2-Trichloroethane	BRL	10	1	01/03/96
trans-1,3-Dichloropropene	BRL	10	1	01/03/96
Bromoform	BRL	20	1	01/03/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/03/96
Tetrachloroethene	BRL	10	1	01/03/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-1/35772-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/03/96
1,3-Dichlorobenzene	BRL	10	1	01/03/96
1,2-Dichlorobenzene	BRL	10	1	01/03/96
1,4-Dichlorobenzene	BRL	10	1	01/03/96
Freon 113	BRL	50	1	01/03/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	47 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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Approved by: _____ Date: 1-9-96

MBT Environmental Laboratories

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Report Generated: 01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 10.0-0.0
Sample Number: GP-19-2
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-2/35773-4005B
Date/Time Sampled: 12/21/95 11:40
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e32-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	BRL	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-2/35773-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	54	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 15.0-0.0
Sample Number: GP-19-3
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-3/35775-4005B
Date/Time Sampled: 12/21/95 11:45
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e33-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	75	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-3/35775-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	42 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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Report Generated: 01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 20.0-0.0
Sample Number: GP-19-4
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-4/35776-4005B
Date/Time Sampled: 12/21/95 12:00
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e34-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	12	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-4/35776-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	36 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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Master Builders Technologies

Report Generated: 01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 25.0-0.0
Sample Number: GP-19-5
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-5/35777-4005B
Date/Time Sampled: 12/21/95 12:35
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e35-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	220	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-5/35777-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	39 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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MBT Environmental Laboratories

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Report Generated: 01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 30.0-0.0
Sample Number: GP-19-6
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-6/35778-4005B
Date/Time Sampled: 12/21/95 12:45
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e36-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	78	10	1	01/04/96

VOLATILE HALOGENATED COM

Analytical Method: EPA 8010

Lab ID: 13202-6/35778-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	[
Chlorobenzene	BRL	10	
1,3-Dichlorobenzene	BRL	10	
1,2-Dichlorobenzene	BRL	10	
1,4-Dichlorobenzene	BRL	10	
Freon 113	BRL	50	

Surrogates	% Recovery
Bromofluorobenzene	38 *

Qualifier Legend:
* - Values outside QC limits

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MBT Environmental Laboratories

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Report Generated: 01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 20.0-0.0
Sample Number: GP-19-4
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-4/35776-4005B
Date/Time Sampled: 12/21/95 12:00
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e34-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	12	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-4/35776-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	36 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 25.0-0.0
Sample Number: GP-19-5
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-5/35777-4005B
Date/Time Sampled: 12/21/95 12:35
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e35-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	220	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-5/35777-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	39 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 30.0-0.0
Sample Number: GP-19-6
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-6/35778-4005B
Date/Time Sampled: 12/21/95 12:45
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e36-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	78	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-6/35778-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	38 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 35.0-0.0
Sample Number: GP-19-7
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-7/35779-4005B
Date/Time Sampled: 12/21/95 13:15
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e38-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	340	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-7/35779-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	44 *	50 - 156

Qualifier Legend:
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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-19 40.0-0.0
Sample Number: GP-19-8
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-8/35780-4005B
Date/Time Sampled: 12/21/95 13:45
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e39-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	110	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-8/35780-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	48 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-20 5.0-0.0
Sample Number: GP-20-1
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-11/35781-4005B
Date/Time Sampled: 12/22/95 14:15
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e40-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	55	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-11/35781-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	44 *	50 - 156

Qualifier Legend:
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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-20 10.0-0.0
Sample Number: GP-20-2
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-12/35782-4005B
Date/Time Sampled: 12/22/95 14:20
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e41-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	BRL	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-12/35782-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	50	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-20 15.0-0.0
Sample Number: GP-20-3
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-13/35783-4005B
Date/Time Sampled: 12/22/95 14:35
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96004e14-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	BRL	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-13/35783-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	54	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-20 20.0-0.0
Sample Number: GP-20-4
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-14/35784-4005B
Date/Time Sampled: 12/22/95 14:40
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96004e15-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	10	10	1	01/04/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-14/35784-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	46 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-9-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-20 25.0-0.0
Sample Number: GP-20-5
Date/Time Received: 12/23/95 10:20
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-15/35785-4005B
Date/Time Sampled: 12/22/95 17:00
Matrix: Soil (S)
Batch Number: 4962
% Moisture: NA
Instrument/Column: vgc05/RTX-502.2
Data File: 96004e29-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/04/96
Bromomethane	BRL	100	1	01/04/96
Vinyl Chloride	BRL	20	1	01/04/96
Chloroethane	BRL	100	1	01/04/96
Methylene Chloride	BRL	250	1	01/04/96
Trichlorofluoromethane	BRL	10	1	01/04/96
1,1-Dichloroethene	BRL	10	1	01/04/96
1,1-Dichloroethane	BRL	10	1	01/04/96
cis-1,2-Dichloroethene	BRL	10	1	01/04/96
trans-1,2-Dichloroethene	BRL	10	1	01/04/96
Chloroform	BRL	10	1	01/04/96
1,2-Dichloroethane	BRL	10	1	01/04/96
1,1,1-Trichloroethane	BRL	10	1	01/04/96
Carbon Tetrachloride	BRL	10	1	01/04/96
Bromodichloromethane	BRL	10	1	01/04/96
1,2-Dichloropropane	BRL	10	1	01/04/96
cis-1,3-Dichloropropene	BRL	10	1	01/04/96
Trichloroethene	BRL	10	1	01/04/96
Dibromochloromethane	BRL	20	1	01/04/96
1,1,2-Trichloroethane	BRL	10	1	01/04/96
trans-1,3-Dichloropropene	BRL	10	1	01/04/96
Bromoform	BRL	20	1	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/04/96
Tetrachloroethene	920	100	10	01/05/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-15/35785-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/04/96
1,3-Dichlorobenzene	BRL	10	1	01/04/96
1,2-Dichlorobenzene	BRL	10	1	01/04/96
1,4-Dichlorobenzene	BRL	10	1	01/04/96
Freon 113	BRL	50	1	01/04/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	46 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-9-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/09/96

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Sample ID: 12/28/95 MB/36570
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

Lab ID: 36570-MB /4005B
Matrix: Soil
Batch Number: 4962

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Chloromethane	BRL	100	01/04/96
Bromomethane	BRL	100	01/04/96
Vinyl Chloride	BRL	20	01/04/96
Chloroethane	BRL	100	01/04/96
Methylene Chloride	BRL	250	01/04/96
Trichlorofluoromethane	BRL	10	01/04/96
1,1-Dichloroethene	BRL	10	01/04/96
1,1-Dichloroethane	BRL	10	01/04/96
cis-1,2-Dichloroethene	BRL	10	01/04/96
trans-1,2-Dichloroethene	BRL	10	01/04/96
Chloroform	BRL	10	01/04/96
1,2-Dichloroethane	BRL	10	01/04/96
1,1,1-Trichloroethane	BRL	10	01/04/96
Carbon Tetrachloride	BRL	10	01/04/96
Bromodichloromethane	BRL	10	01/04/96
1,2-Dichloropropane	BRL	10	01/04/96
cis-1,3-Dichloropropene	BRL	10	01/04/96
Trichloroethene	BRL	10	01/04/96
Dibromochloromethane	BRL	20	01/04/96
1,1,2-Trichloroethane	BRL	10	01/04/96
trans-1,3-Dichloropropene	BRL	10	01/04/96
Bromoform	BRL	20	01/04/96
1,1,2,2-Tetrachloroethane	BRL	20	01/04/96
Tetrachloroethene	BRL	10	01/04/96
Chlorobenzene	BRL	10	01/04/96
1,3-Dichlorobenzene	BRL	10	01/04/96
1,2-Dichlorobenzene	BRL	10	01/04/96
1,4-Dichlorobenzene	BRL	10	01/04/96
Freon 113	BRL	50	01/04/96

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 36570-MB /4005B 2129

Surrogates	% Recovery	Limits
Bromofluorobenzene	64	50 - 156

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-9-96

MBT Environmental Laboratories

Master Builders Technologies

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL
LCS Date Analyzed: 01/04/96

Lab ID: 36571-LS1 /4005B
Matrix: Soil Units: ug/Kg (ppb)
Batch Number: 4962
LCSD Date Analyzed: NA

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	250	230	91	NA	NA	NA	65-120	≤25
1,1,1-Trichloroethane	0	250	220	89	NA	NA	NA	60-114	≤25
Trichloroethene	0	250	230	90	NA	NA	NA	62-138	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	120	58	NA	NA	50-156

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

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Approved by: _____ Date: 1-9-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/08/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Rinse Blank
Sample Number: RB-1
Date/Time Received: 12/23/95 10:10
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-9/35801-4005B
Date/Time Sampled: 12/21/95 00:00
Matrix: Water (W)
Batch Number: 4963

Instrument/Column: vgc05/RTX-502.2
Data File: 96003e26-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	4.0	1	01/03/96
Bromomethane	BRL	4.0	1	01/03/96
Vinyl Chloride	BRL	1.0	1	01/03/96
Chloroethane	BRL	4.0	1	01/03/96
Methylene Chloride	BRL	10	1	01/03/96
Trichlorofluoromethane	BRL	0.50	1	01/03/96
1,1-Dichloroethene	BRL	0.50	1	01/03/96
1,1-Dichloroethane	BRL	0.50	1	01/03/96
cis-1,2-Dichloroethene	BRL	0.50	1	01/03/96
trans-1,2-Dichloroethene	BRL	0.50	1	01/03/96
Chloroform	BRL	0.50	1	01/03/96
1,2-Dichloroethane	BRL	0.50	1	01/03/96
1,1,1-Trichloroethane	BRL	0.50	1	01/03/96
Carbon Tetrachloride	BRL	0.50	1	01/03/96
Bromodichloromethane	BRL	0.50	1	01/03/96
1,2-Dichloropropane	BRL	0.50	1	01/03/96
cis-1,3-Dichloropropene	BRL	0.50	1	01/03/96
Trichloroethene	BRL	0.50	1	01/03/96
Dibromochloromethane	BRL	1.0	1	01/03/96
1,1,2-Trichloroethane	BRL	0.50	1	01/03/96
trans-1,3-Dichloropropene	BRL	0.50	1	01/03/96
Bromoform	BRL	1.0	1	01/03/96
1,1,2,2-Tetrachloroethane	BRL	1.0	1	01/03/96
Tetrachloroethene	BRL	0.50	1	01/03/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-9/35801-4005B

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	0.50	1	01/03/96
1,3-Dichlorobenzene	BRL	0.50	1	01/03/96
1,2-Dichlorobenzene	BRL	0.50	1	01/03/96
1,4-Dichlorobenzene	BRL	0.50	1	01/03/96
Freon 113	BRL	2.0	1	01/03/96

Surrogates	% Recovery	Limits
Bromochloromethane	121	51 - 144
Orthochlorotoluene	117	80 - 120

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-9-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/08/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: Trip Blank
Sample Number: Trip Blank
Date/Time Received: 12/23/95 10:10
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13202
Project Number: 030601414002
Lab ID: 13202-10/35802-4005B
Date/Time Sampled: 12/22/95 00:00
Matrix: Water (W)
Batch Number: 4963

Instrument/Column: vgc05/RTX-502.2
Data File: 96003e27-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	4.0	1	01/03/96
Bromomethane	BRL	4.0	1	01/03/96
Vinyl Chloride	BRL	1.0	1	01/03/96
Chloroethane	BRL	4.0	1	01/03/96
Methylene Chloride	BRL	10	1	01/03/96
Trichlorofluoromethane	BRL	0.50	1	01/03/96
1,1-Dichloroethene	BRL	0.50	1	01/03/96
1,1-Dichloroethane	BRL	0.50	1	01/03/96
cis-1,2-Dichloroethene	BRL	0.50	1	01/03/96
trans-1,2-Dichloroethene	BRL	0.50	1	01/03/96
Chloroform	BRL	0.50	1	01/03/96
1,2-Dichloroethane	BRL	0.50	1	01/03/96
1,1,1-Trichloroethane	BRL	0.50	1	01/03/96
Carbon Tetrachloride	BRL	0.50	1	01/03/96
Bromodichloromethane	BRL	0.50	1	01/03/96
1,2-Dichloropropane	BRL	0.50	1	01/03/96
cis-1,3-Dichloropropene	BRL	0.50	1	01/03/96
Trichloroethene	BRL	0.50	1	01/03/96
Dibromochloromethane	BRL	1.0	1	01/03/96
1,1,2-Trichloroethane	BRL	0.50	1	01/03/96
trans-1,3-Dichloropropene	BRL	0.50	1	01/03/96
Bromoform	BRL	1.0	1	01/03/96
1,1,2,2-Tetrachloroethane	BRL	1.0	1	01/03/96
Tetrachloroethene	BRL	0.50	1	01/03/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13202-10/35802-4005B

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	0.50	1	01/03/96
1,3-Dichlorobenzene	BRL	0.50	1	01/03/96
1,2-Dichlorobenzene	BRL	0.50	1	01/03/96
1,4-Dichlorobenzene	BRL	0.50	1	01/03/96
Freon 113	BRL	2.0	1	01/03/96

Surrogates	% Recovery	Limits
Bromochloromethane	109	51 - 144
Orthochlorotoluene	108	80 - 120

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-9-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/08/96

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Sample ID: 01/03/96 MB/36574
Date Prepared: NA

Lab ID: 36574-MB /4005B
Matrix: Water
Batch Number: 4963
Instrument/Column: vgc05/RTX-502.2
Data File: 96003e13-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Date Analyzed
Chloromethane	BRL	4.0	01/03/96
Bromomethane	BRL	4.0	01/03/96
Vinyl Chloride	BRL	1.0	01/03/96
Chloroethane	BRL	4.0	01/03/96
Methylene Chloride	BRL	10	01/03/96
Trichlorofluoromethane	BRL	0.50	01/03/96
1,1-Dichloroethene	BRL	0.50	01/03/96
1,1-Dichloroethane	BRL	0.50	01/03/96
cis-1,2-Dichloroethene	BRL	0.50	01/03/96
trans-1,2-Dichloroethene	BRL	0.50	01/03/96
Chloroform	BRL	0.50	01/03/96
1,2-Dichloroethane	BRL	0.50	01/03/96
1,1,1-Trichloroethane	BRL	0.50	01/03/96
Carbon Tetrachloride	BRL	0.50	01/03/96
Bromodichloromethane	BRL	0.50	01/03/96
1,2-Dichloropropane	BRL	0.50	01/03/96
cis-1,3-Dichloropropene	BRL	0.50	01/03/96
Trichloroethene	BRL	0.50	01/03/96
Dibromochloromethane	BRL	1.0	01/03/96
1,1,2-Trichloroethane	BRL	0.50	01/03/96
trans-1,3-Dichloropropene	BRL	0.50	01/03/96
Bromoform	BRL	1.0	01/03/96
1,1,2,2-Tetrachloroethane	BRL	1.0	01/03/96
Tetrachloroethene	BRL	0.50	01/03/96
Chlorobenzene	BRL	0.50	01/03/96
1,3-Dichlorobenzene	BRL	0.50	01/03/96
1,2-Dichlorobenzene	BRL	0.50	01/03/96
1,4-Dichlorobenzene	BRL	0.50	01/03/96
Freon 113	BRL	2.0	01/03/96

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 36574-MB /4005B 1058

Surrogates	% Recovery	Limits
Bromochloromethane	98	51 - 144
Orthochlorotoluene	103	80 - 120

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-9-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/09/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Date Prepared: NA

LCS Date Analyzed: 01/03/96

Lab ID: 36572-LS1 /4005B
Matrix: Water Units: ug/L (ppb)
Batch Number: 4963
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: 96003e12-0

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	10	8.8	88	NA	NA	NA	64-128	≤20
1,1,1-Trichloroethane	0	10	8.5	85	NA	NA	NA	65-118	≤20
Trichloroethene	0	10	8.9	89	NA	NA	NA	69-131	≤20

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromochloromethane	8.0	7.8	97	NA	NA	51-144
Orthochlorotoluene	8.0	6.4	80	NA	NA	80-120

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-9-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/09/96

MBT Environmental
Laboratories

3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

Master Builders Technologies

Date: January 12, 1996
LP #: 13210

Everett Ferguson
McLaren/Hart Environmental Engineering
16755 Von Karman Avenue
Irvine, CA 92714

Dear Mr. Ferguson:

Enclosed are the laboratory results for the samples submitted to MBT Environmental Laboratories on December 28, 1995, for the project *Mobil - Jalk Fee*.

The report consists of the following sections:

1. Cover Page
2. Copy of Chain-of-Custody
3. General Narrative
4. Analytical and Quality Control Results

Unless otherwise instructed by you, samples will be disposed of two weeks from the date of this letter.

Thank you for choosing MBT Environmental Laboratories. We are looking forward to serving you in the future. Should you have any questions concerning this analytical report or the analytical methods employed, please do not hesitate to call.

Sincerely,

Chris Phillips

Chris Phillips
Project Coordinator

Enclosure: EDD

N vironmental
Le ories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

1/3

CHAIN OF CUSTODY RECORD 17150

SIDE 2 FOR COMPLETE INSTRUCTIONS

Project Name: Mobil - Santa Fe Springs
Project Number: 03.06.01114.000
Project Location: (State) Santa Fe Springs, CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13210 Storage ID: 12-B 7
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8 ☐ A

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	ANALYSES REQUESTED
1 13210 001	GP-20-30'	12/22/95		GP-20	30'	1	8	Soil	ICE	2 wks	X
2 002	GP-20-35			GP-20	35'						X
3 003	GP-20-40'			GP-20	40'						X
4 004	GP-21-5'			GP-21	5'						X
5 005	GP-21-10'			GP-21	10'						X
6 006	GP-21-15'			GP-21	15'						X
7 007	GP-21-20'			GP-21	20'						X
8 008	GP-21-25'			GP-21	25'						X
9 009	GP-21-30'			GP-21	30'						X
10 010	GP-21-35'			GP-21	35'						X

SEND REPORT TO:
Company Name Mikman/Hunt
Client Name Everett Ferguson
Address Irvine
Phone 714/752-3213 Fax

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments

Sampler Name: Everett Ferguson Jr.
Signature
PPE Worn in Field: Level D

Relinquished By: Date/Time 12/22/95 11:00am
Received By or Method of Shipment/Shipment I.D. Date/Time 12-22-95 1610

Relinquished By: Date/Time
Received By or Method of Shipment/Shipment I.D. Date/Time 12.28.95 1045

Relinquished By: Date/Time
Received By or Method of Shipment/Shipment I.D. Date/Time

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity
* Specify Total or Dissolved

M... vironmental
L... ories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

2/3

CHAIN OF CUSTODY RECORD 17151

SIDE 2 FOR COMPLETE INSTRUCTIONS

Project Name: Mobil - Jalk Fee
Project Number: 03.0601414.000
Project Location: (State) Santa Fe Springs, CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13210 Storage ID: 12-B, 7
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8 ☐ A

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8010
1 13210 011	GP-21-40'	12/27/95		GP-21	40'	1	B	Soil	ICE	2wks	X
2 012	GP-22-5'			GP-22	5'						X
3 013	GP-22-10'			GP-22	10'						X
4 014	GP-22-15'			GP-22	15'						X
5 015	GP-22-20'			GP-22	20'						X
6 016	GP-22-25'			GP-22	25'						X
7 017	GP-22-30'			GP-22	30'						X
8 018	GP-22-35'			GP-22	35'						X
9 019	GP-22-40'			GP-22	40'						X
10 020	GP-23-5'			GP-23	5'						X

ANALYSES REQUESTED

SEND REPORT TO:
Company Name Mohan/Hart
Client Name Everett Ferguson
Address Irvine
Phone 714/752-3213 Fax

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments

Sampler Name: Everett Ferguson Jr.
Signature: [signature]
Relinquished By: [signature] Date/Time: 12/27/95 4:00pm
Relinquished By: Date/Time
Relinquished By: Date/Time

PPE Worn in Field: Level D
Received By or Method of Shipment/Shipment I.D. Date/Time
[signature] 12-27-95 10:00
Received By or Method of Shipment/Shipment I.D. Date/Time
[signature] 12.28.95 10:45
Received By or Method of Shipment/Shipment I.D. Date/Time

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8060
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

Environmental Laboratories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

3/3

CHAIN OF CUSTODY RECORD 17152

SEE SIDE 2 FOR COMPLETE INSTRUCTIONS

Project Name: Mobil - Julk Fee
Project Number: 03.0601414.000
Project Location: (State) Santa Fe Springs, CA.

FOR LABORATORY USE ONLY
Laboratory Project #: 13210 Storage ID: 12-B, 7
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8 ☐ A

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8010
1 13210 021	GP-23-10'	12/27/95		GP-23	10	1	B	Soil	ICE	2 wks	X
2 022	GP-23-15'	↓		GP-23	15		↓	↓	↓	↓	X
3 023	GP-23-20'	↓		GP-23	20		↓	↓	↓	↓	X
4 024	Trip Blank	↓		—	—	2	V	H_2O	HCl	↓	X
5 025	Rinse Blank	↓		—	—	2	V	H_2O	HCl	↓	X
6											
7											
8											
9											
10											

ANALYSES REQUESTED

SEND REPORT TO:
Company Name Milman/Hart
Client Name Everett Ferguson
Address Irvine
Phone 714-752-3213 Fax

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments

Sampler Name: [signature] Everett Ferguson Jr.
Relinquished By: [signature] Date/Time 12/27/95 4:00pm
Relinquished By: Date/Time
Relinquished By: Date/Time

Signature: [signature]

PPE Worn in Field: Level D
Received By or Method of Shipment/Shipment I.D. Date/Time
[signature] 12-27-95 1610
Received By or Method of Shipment/Shipment I.D. Date/Time
[signature] 12-28-95 1045
Received By or Method of Shipment/Shipment I.D. Date/Time

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity
* Specify Total or Dissolved

ANALYTICAL REPORT

LABORATORY PROJECT (LP) NUMBER 13210

MOBIL - JALK FEE

The analyses performed by MBT Environmental Laboratories in this report comply with the requirements under the following certification/approval:

ARIZONA:	Hazardous Waste, #AZ0468 Waste Water, # AZ0468 Drinking Water, #AZ0468
✓ CALIFORNIA:	Hazardous Waste, #1417 Waste Water, # 1417 Drinking Water, #1417 Mobile Lab, #2070
CONNECTICUT:	Waste Water, #PH0799
FLORIDA:	Environmental Water, #E87298 CQAPP #930105
KANSAS:	Hazardous Waste, #E-1167 Waste Water, #E-192 Drinking Water, #E-192
NEW HAMPSHIRE:	Waste Water, #253195-B Drinking Water, #253195-A
NEW JERSEY:	Waste Water, #44818
NEW YORK:	Hazardous Waste, #11241 Waste Water, #11241 CLP, #11241
OKLAHOMA:	Hazardous Waste, #9318 Waste Water, #9318
SOUTH CAROLINA:	Hazardous Waste, #87013 Waste Water, #87013
TENNESSEE:	Underground Storage Tank
WASHINGTON:	Hazardous Waste, #C048
WISCONSIN:	Hazardous Waste, #999940920 Waste Water, #999940920
USACOE:	Hazardous Waste Waste Water
AFCEE	Hazardous Waste Waste Water

(CN13210)

GENERAL NARRATIVE

Comments:

Test methods may include minor modifications of published EPA methods (e.g., reporting limits or parameter lists). Reporting limits are adjusted to reflect dilution of the sample when appropriate. Solids and waste are analyzed with no correction made for moisture content.

Percent recoveries for laboratory control samples and matrix spikes have been calculated using unrounded concentration values. Therefore, percent recoveries reported may differ slightly from those obtained from the rounded concentration values which appear on the report.

EPA 8010 Soil:

The following sample was analyzed at a dilution to bring target analytes within linear working range: 13210-2.

The LCS recoveries for the analytes flagged on the LCS data sheets are outside of advisory quality control limits; however, all other QC meets the laboratory's acceptance criteria.

EPA 8010 Water:

The LCS recoveries for the analytes flagged on the LCS data sheets are outside of advisory quality control limits; however, all other QC meets the laboratory's acceptance criteria.

Abbreviations and Definitions:

MB	*Method Blank* - An aliquot of a blank matrix carried throughout the entire analytical process
LCS	*Laboratory Control Sample* - A blank to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the accuracy of the method
MS/MSD	*Matrix Spike/Matrix Spike Duplicate* - Duplicate samples to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the extent of matrix bias or interference on analyte recovery
RPD	*Relative Percent Difference* - The measurement of precision between duplicate analyses
BRL	*Below Reporting Limit*
NS	*Not Specified*

(CN13210)

NA *Not Applicable*

Flags:

Organics -

J Estimated value below the reporting limit and at or above the method detection limit.

B Analyte found in the associated blank, as well as in the sample.

Inorganics -

B Estimated value below the reporting limit and at or above the method detection limit.

(CN13210)

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-20 30.0-0.0
Sample Number: GP-20-30'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-1/35853-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96005h28-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	480	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-1/35853-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	69	50 - 156

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-12-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-20 35.0-0.0
Sample Number: GP-20-35'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-2/35855-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h17-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/09/96
Bromomethane	BRL	100	1	01/09/96
Vinyl Chloride	BRL	20	1	01/09/96
Chloroethane	BRL	100	1	01/09/96
Methylene Chloride	BRL	250	1	01/09/96
Trichlorofluoromethane	BRL	10	1	01/09/96
1,1-Dichloroethene	BRL	10	1	01/09/96
1,1-Dichloroethane	BRL	10	1	01/09/96
cis-1,2-Dichloroethene	BRL	10	1	01/09/96
trans-1,2-Dichloroethene	BRL	10	1	01/09/96
Chloroform	BRL	10	1	01/09/96
1,2-Dichloroethane	BRL	10	1	01/09/96
1,1,1-Trichloroethane	BRL	10	1	01/09/96
Carbon Tetrachloride	BRL	10	1	01/09/96
Bromodichloromethane	BRL	10	1	01/09/96
1,2-Dichloropropane	BRL	10	1	01/09/96
cis-1,3-Dichloropropene	BRL	10	1	01/09/96
Trichloroethene	24	10	1	01/09/96
Dibromochloromethane	BRL	20	1	01/09/96
1,1,2-Trichloroethane	BRL	10	1	01/09/96
trans-1,3-Dichloropropene	BRL	10	1	01/09/96
Bromoform	BRL	20	1	01/09/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/09/96
Tetrachloroethene	1000	100	10	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-2/35855-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/09/96
1,3-Dichlorobenzene	BRL	10	1	01/09/96
1,2-Dichlorobenzene	BRL	10	1	01/09/96
1,4-Dichlorobenzene	BRL	10	1	01/09/96
Freon 113	BRL	50	1	01/09/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	6 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-12-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-20 40.0-0.0
Sample Number: GP-20-40'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-3/35870-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96005h30-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	23	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-3/35870-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	82	50 - 156

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-12-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-21 5.0-0.0
Sample Number: GP-21-5'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-4/35871-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96005h31-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-4/35871-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	76	50 - 156

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-12-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-21 10.0-0.0
Sample Number: GP-21-10'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-5/35872-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96005h32-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-5/35872-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	79	50 - 156

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-12-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-21 15.0-0.0
Sample Number: GP-21-15'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-6/35873-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96005h33-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	20	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-6/35873-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	81	50 - 156

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-12 96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-21 20.0-0.0
Sample Number: GP-21-20'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-7/35874-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96005h34-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-7/35874-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	83	50 - 156

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Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-21 25.0-0.0
Sample Number: GP-21-25'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-8/35875-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96005h35-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	170	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-8/35875-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	79	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-21 30.0-0.0
Sample Number: GP-21-30'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-9/35876-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96005h36-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	21	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-9/35876-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	74	50 - 156

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MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-21 35.0-0.0
Sample Number: GP-21-35'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-10/35877-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96005h37-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	40	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	560	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-10/35877-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	79	50 - 156

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MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-21 40.0-0.0
Sample Number: GP-21-40'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-11/35878-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc01/RTX-502.2
Data File: 96005a29-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-11/35878-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	90	50 - 156

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Approved by: _____ Date: 1-12-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-21 35.0-0.0
Sample Number: GP-21-35'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-10/35877-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96005h37-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	40	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	560	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-10/35877-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	79	50 - 156

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MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-21 40.0-0.0
Sample Number: GP-21-40'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-11/35878-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc01/RTX-502.2
Data File: 96005a29-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-11/35878-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	90	50 - 156

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-12-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-22 5.0-0.0
Sample Number: GP-22-5'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-12/35879-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc01/RTX-502.2
Data File: 96005a30-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-12/35879-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	80	50 - 156

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-12-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-22 10.0-0.0
Sample Number: GP-22-10'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-13/35880-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc01/RTX-502.2
Data File: 96005a31-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-13/35880-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	80	50 - 156

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Approved by: _____ Date: 1-12-96

MBT Environmental Laboratories

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-22 15.0-0.0
Sample Number: GP-22-15'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-14/35881-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc02/RTX-1
Data File: 96005a32-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-14/35881-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	122	50 - 156

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Approved by: CM Date: 1/12/96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/12/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-22 20.0-0.0
Sample Number: GP-22-20'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-15/35882-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc01/RTX-502.2
Data File: 96005a33-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	19	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	75	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-15/35882-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	80	50 - 156

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Approved by: _____ Date: 1-12-96

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Report Generated: 01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-22 25.0-0.0
Sample Number: GP-22-25'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-16/35883-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc01/RTX-502.2
Data File: 96005a34-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-16/35883-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	80	50 - 156

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Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-22 30.0-0.0
Sample Number: GP-22-30'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-17/35884-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc01/RTX-502.2
Data File: 96005a35-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	BRL	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	BRL	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-17/35884-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	75	50 - 156

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MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-22 35.0-0.0
Sample Number: GP-22-35'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-18/35885-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc01/RTX-502.2
Data File: 96005a36-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	20	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	41	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-18/35885-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	85	50 - 156

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Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-22 40.0-0.0
Sample Number: GP-22-40'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-19/35886-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc01/RTX-502.2
Data File: 96005a37-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/06/96
Bromomethane	BRL	100	1	01/06/96
Vinyl Chloride	BRL	20	1	01/06/96
Chloroethane	BRL	100	1	01/06/96
Methylene Chloride	BRL	250	1	01/06/96
Trichlorofluoromethane	BRL	10	1	01/06/96
1,1-Dichloroethene	BRL	10	1	01/06/96
1,1-Dichloroethane	BRL	10	1	01/06/96
cis-1,2-Dichloroethene	14	10	1	01/06/96
trans-1,2-Dichloroethene	BRL	10	1	01/06/96
Chloroform	BRL	10	1	01/06/96
1,2-Dichloroethane	BRL	10	1	01/06/96
1,1,1-Trichloroethane	BRL	10	1	01/06/96
Carbon Tetrachloride	BRL	10	1	01/06/96
Bromodichloromethane	BRL	10	1	01/06/96
1,2-Dichloropropane	BRL	10	1	01/06/96
cis-1,3-Dichloropropene	BRL	10	1	01/06/96
Trichloroethene	24	10	1	01/06/96
Dibromochloromethane	BRL	20	1	01/06/96
1,1,2-Trichloroethane	BRL	10	1	01/06/96
trans-1,3-Dichloropropene	BRL	10	1	01/06/96
Bromoform	BRL	20	1	01/06/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/06/96
Tetrachloroethene	BRL	10	1	01/06/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-19/35886-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/06/96
1,3-Dichlorobenzene	BRL	10	1	01/06/96
1,2-Dichlorobenzene	BRL	10	1	01/06/96
1,4-Dichlorobenzene	BRL	10	1	01/06/96
Freon 113	BRL	50	1	01/06/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	85	50 - 156

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Approved by: _____ Date: 1-12-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/12/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-23 5.0-0.0
Sample Number: GP-23-5'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-20/35887-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96008h17-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/08/96
Bromomethane	BRL	100	1	01/08/96
Vinyl Chloride	BRL	20	1	01/08/96
Chloroethane	BRL	100	1	01/08/96
Methylene Chloride	BRL	250	1	01/08/96
Trichlorofluoromethane	BRL	10	1	01/08/96
1,1-Dichloroethene	BRL	10	1	01/08/96
1,1-Dichloroethane	BRL	10	1	01/08/96
cis-1,2-Dichloroethene	11	10	1	01/08/96
trans-1,2-Dichloroethene	12	10	1	01/08/96
Chloroform	BRL	10	1	01/08/96
1,2-Dichloroethane	BRL	10	1	01/08/96
1,1,1-Trichloroethane	BRL	10	1	01/08/96
Carbon Tetrachloride	BRL	10	1	01/08/96
Bromodichloromethane	BRL	10	1	01/08/96
1,2-Dichloropropane	BRL	10	1	01/08/96
cis-1,3-Dichloropropene	BRL	10	1	01/08/96
Trichloroethene	50	10	1	01/08/96
Dibromochloromethane	BRL	20	1	01/08/96
1,1,2-Trichloroethane	BRL	10	1	01/08/96
trans-1,3-Dichloropropene	BRL	10	1	01/08/96
Bromoform	BRL	20	1	01/08/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/08/96
Tetrachloroethene	BRL	10	1	01/08/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-20/35887-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/08/96
1,3-Dichlorobenzene	BRL	10	1	01/08/96
1,2-Dichlorobenzene	BRL	10	1	01/08/96
1,4-Dichlorobenzene	BRL	10	1	01/08/96
Freon 113	BRL	50	1	01/08/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	75	50 - 156

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Report Generated: 01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-23 10.0-0.0
Sample Number: GP-23-10'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-21/35889-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96008h18-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/08/96
Bromomethane	BRL	100	1	01/08/96
Vinyl Chloride	BRL	20	1	01/08/96
Chloroethane	BRL	100	1	01/08/96
Methylene Chloride	BRL	250	1	01/08/96
Trichlorofluoromethane	BRL	10	1	01/08/96
1,1-Dichloroethene	BRL	10	1	01/08/96
1,1-Dichloroethane	BRL	10	1	01/08/96
cis-1,2-Dichloroethene	BRL	10	1	01/08/96
trans-1,2-Dichloroethene	BRL	10	1	01/08/96
Chloroform	BRL	10	1	01/08/96
1,2-Dichloroethane	BRL	10	1	01/08/96
1,1,1-Trichloroethane	BRL	10	1	01/08/96
Carbon Tetrachloride	BRL	10	1	01/08/96
Bromodichloromethane	BRL	10	1	01/08/96
1,2-Dichloropropane	BRL	10	1	01/08/96
cis-1,3-Dichloropropene	BRL	10	1	01/08/96
Trichloroethene	14	10	1	01/08/96
Dibromochloromethane	BRL	20	1	01/08/96
1,1,2-Trichloroethane	BRL	10	1	01/08/96
trans-1,3-Dichloropropene	BRL	10	1	01/08/96
Bromoform	BRL	20	1	01/08/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/08/96
Tetrachloroethene	BRL	10	1	01/08/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-21/35889-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/08/96
1,3-Dichlorobenzene	BRL	10	1	01/08/96
1,2-Dichlorobenzene	BRL	10	1	01/08/96
1,4-Dichlorobenzene	BRL	10	1	01/08/96
Freon 113	BRL	50	1	01/08/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	83	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-23 15.0-0.0
Sample Number: GP-23-15'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-22/35890-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96008h19-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/08/96
Bromomethane	BRL	100	1	01/08/96
Vinyl Chloride	BRL	20	1	01/08/96
Chloroethane	BRL	100	1	01/08/96
Methylene Chloride	BRL	250	1	01/08/96
Trichlorofluoromethane	BRL	10	1	01/08/96
1,1-Dichloroethene	BRL	10	1	01/08/96
1,1-Dichloroethane	BRL	10	1	01/08/96
cis-1,2-Dichloroethene	BRL	10	1	01/08/96
trans-1,2-Dichloroethene	BRL	10	1	01/08/96
Chloroform	BRL	10	1	01/08/96
1,2-Dichloroethane	BRL	10	1	01/08/96
1,1,1-Trichloroethane	BRL	10	1	01/08/96
Carbon Tetrachloride	BRL	10	1	01/08/96
Bromodichloromethane	BRL	10	1	01/08/96
1,2-Dichloropropane	BRL	10	1	01/08/96
cis-1,3-Dichloropropene	BRL	10	1	01/08/96
Trichloroethene	BRL	10	1	01/08/96
Dibromochloromethane	BRL	20	1	01/08/96
1,1,2-Trichloroethane	BRL	10	1	01/08/96
trans-1,3-Dichloropropene	BRL	10	1	01/08/96
Bromoform	BRL	20	1	01/08/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/08/96
Tetrachloroethene	BRL	10	1	01/08/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-22/35890-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/08/96
1,3-Dichlorobenzene	BRL	10	1	01/08/96
1,2-Dichlorobenzene	BRL	10	1	01/08/96
1,4-Dichlorobenzene	BRL	10	1	01/08/96
Freon 113	BRL	50	1	01/08/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	83	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-23 20.0-0.0
Sample Number: GP-23-20'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-23/35891-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S)
Batch Number: 5007
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96008h20-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/08/96
Bromomethane	BRL	100	1	01/08/96
Vinyl Chloride	BRL	20	1	01/08/96
Chloroethane	BRL	100	1	01/08/96
Methylene Chloride	BRL	250	1	01/08/96
Trichlorofluoromethane	BRL	10	1	01/08/96
1,1-Dichloroethene	BRL	10	1	01/08/96
1,1-Dichloroethane	BRL	10	1	01/08/96
cis-1,2-Dichloroethene	BRL	10	1	01/08/96
trans-1,2-Dichloroethene	BRL	10	1	01/08/96
Chloroform	BRL	10	1	01/08/96
1,2-Dichloroethane	BRL	10	1	01/08/96
1,1,1-Trichloroethane	BRL	10	1	01/08/96
Carbon Tetrachloride	BRL	10	1	01/08/96
Bromodichloromethane	BRL	10	1	01/08/96
1,2-Dichloropropane	BRL	10	1	01/08/96
cis-1,3-Dichloropropene	BRL	10	1	01/08/96
Trichloroethene	BRL	10	1	01/08/96
Dibromochloromethane	BRL	20	1	01/08/96
1,1,2-Trichloroethane	BRL	10	1	01/08/96
trans-1,3-Dichloropropene	BRL	10	1	01/08/96
Bromoform	BRL	20	1	01/08/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/08/96
Tetrachloroethene	BRL	10	1	01/08/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-23/35891-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/08/96
1,3-Dichlorobenzene	BRL	10	1	01/08/96
1,2-Dichlorobenzene	BRL	10	1	01/08/96
1,4-Dichlorobenzene	BRL	10	1	01/08/96
Freon 113	BRL	50	1	01/08/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	97	50 - 156

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METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Sample ID: / / MB/36939
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

Lab ID: 36939-MB /4005B
Matrix: Soil
Batch Number: 5007
Instrument/Column: VGC10/RTX502.2
Data File: 96008H

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Chloromethane	BRL	100	01/08/96
Bromomethane	BRL	100	01/08/96
Vinyl Chloride	BRL	20	01/08/96
Chloroethane	BRL	100	01/08/96
Methylene Chloride	BRL	250	01/08/96
Trichlorofluoromethane	BRL	10	01/08/96
1,1-Dichloroethene	BRL	10	01/08/96
1,1-Dichloroethane	BRL	10	01/08/96
cis-1,2-Dichloroethene	BRL	10	01/08/96
trans-1,2-Dichloroethene	BRL	10	01/08/96
Chloroform	BRL	10	01/08/96
1,2-Dichloroethane	BRL	10	01/08/96
1,1,1-Trichloroethane	BRL	10	01/08/96
Carbon Tetrachloride	BRL	10	01/08/96
Bromodichloromethane	BRL	10	01/08/96
1,2-Dichloropropane	BRL	10	01/08/96
cis-1,3-Dichloropropene	BRL	10	01/08/96
Trichloroethene	BRL	10	01/08/96
Dibromochloromethane	BRL	20	01/08/96
1,1,2-Trichloroethane	BRL	10	01/08/96
trans-1,3-Dichloropropene	BRL	10	01/08/96
Bromoform	BRL	20	01/08/96
1,1,2,2-Tetrachloroethane	BRL	20	01/08/96
Tetrachloroethene	BRL	10	01/08/96
Chlorobenzene	BRL	10	01/08/96
1,3-Dichlorobenzene	BRL	10	01/08/96
1,2-Dichlorobenzene	BRL	10	01/08/96
1,4-Dichlorobenzene	BRL	10	01/08/96
Freon 113	BRL	50	01/08/96

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 36939-MB /4005B

Surrogates	% Recovery	Limits
Bromofluorobenzene	98	50 - 156

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LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL
LCS Date Analyzed: 01/08/96

Lab ID: 36938-LS1 /4005B
Matrix: Soil Units: ug/Kg (ppb)
Batch Number: 5007
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: 96008h16-0

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	250	280	111	NA	NA	NA	65-120	≤25
1,1,1-Trichloroethane	0	250	340	137*	NA	NA	NA	60-114	≤25
Trichloroethene	0	250	250	100	NA	NA	NA	62-138	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	180	92	NA	NA	50-156

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

Qualifier Legend:
* - Values outside QC

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Master Builders Technologies

Report Generated: 01/11/96

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: GP-20 35.0-0.0
Sample Number: GP-20-35'
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: 20 , 20 grams
Final Volume: 10 , 10 mL
MS Date Analyzed: 01/08/96

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-2/36940,36941-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Soil (S) Units: ug/Kg (ppb)
Batch Number: 5007
% Moisture: NA

MSD Date Analyzed: 01/08/96
Instrument/Column: /RTX-502.2
Data File: 96008h21-0, 96008h22-

Analyte	(a) Sample Conc.	(b) MS/ MSD Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	250	220	90	220	87	0	65-120	≤25
1,1,1-Trichloroethane	0	250	250	99	260	104	4	60-114	≤25
Trichloroethene	0	250	220	89	220	90	0	62-138	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) MS/ MSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	160	80	140	70	50-156

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

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Report Generated: 01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: Trip Blank
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-24/35894-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Water (W)
Batch Number: 4981

Instrument/Column: vgc10/RTX-502.2
Data File: 96008h24-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	4.0	1	01/08/96
Bromomethane	BRL	4.0	1	01/08/96
Vinyl Chloride	BRL	1.0	1	01/08/96
Chloroethane	BRL	4.0	1	01/08/96
Methylene Chloride	BRL	10	1	01/08/96
Trichlorofluoromethane	BRL	0.50	1	01/08/96
1,1-Dichloroethene	BRL	0.50	1	01/08/96
1,1-Dichloroethane	BRL	0.50	1	01/08/96
cis-1,2-Dichloroethene	BRL	0.50	1	01/08/96
trans-1,2-Dichloroethene	BRL	0.50	1	01/08/96
Chloroform	BRL	0.50	1	01/08/96
1,2-Dichloroethane	BRL	0.50	1	01/08/96
1,1,1-Trichloroethane	BRL	0.50	1	01/08/96
Carbon Tetrachloride	BRL	0.50	1	01/08/96
Bromodichloromethane	BRL	0.50	1	01/08/96
1,2-Dichloropropane	BRL	0.50	1	01/08/96
cis-1,3-Dichloropropene	BRL	0.50	1	01/08/96
Trichloroethene	BRL	0.50	1	01/08/96
Dibromochloromethane	BRL	1.0	1	01/08/96
1,1,2-Trichloroethane	BRL	0.50	1	01/08/96
trans-1,3-Dichloropropene	BRL	0.50	1	01/08/96
Bromoform	BRL	1.0	1	01/08/96
1,1,2,2-Tetrachloroethane	BRL	1.0	1	01/08/96
Tetrachloroethene	BRL	0.50	1	01/08/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-24/35894-4005B

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	0.50	1	01/08/96
1,3-Dichlorobenzene	BRL	0.50	1	01/08/96
1,2-Dichlorobenzene	BRL	0.50	1	01/08/96
1,4-Dichlorobenzene	BRL	0.50	1	01/08/96
Freon 113	BRL	2.0	1	01/08/96

Surrogates	% Recovery	Limits
Bromochloromethane	96	51 - 144
Orthochlorotoluene	108	80 - 120

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-10-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: Rinse Blank
Date/Time Received: 12/28/95 10:45
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13210
Project Number: 030601414000
Lab ID: 13210-25/35893-4005B
Date/Time Sampled: 12/27/95 00:00
Matrix: Water (W)
Batch Number: 4981

Instrument/Column: vgc10/RTX-502.2
Data File: 96008h25-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	4.0	1	01/08/96
Bromomethane	BRL	4.0	1	01/08/96
Vinyl Chloride	BRL	1.0	1	01/08/96
Chloroethane	BRL	4.0	1	01/08/96
Methylene Chloride	BRL	10	1	01/08/96
Trichlorofluoromethane	BRL	0.50	1	01/08/96
1,1-Dichloroethene	BRL	0.50	1	01/08/96
1,1-Dichloroethane	BRL	0.50	1	01/08/96
cis-1,2-Dichloroethene	BRL	0.50	1	01/08/96
trans-1,2-Dichloroethene	BRL	0.50	1	01/08/96
Chloroform	BRL	0.50	1	01/08/96
1,2-Dichloroethane	BRL	0.50	1	01/08/96
1,1,1-Trichloroethane	BRL	0.50	1	01/08/96
Carbon Tetrachloride	BRL	0.50	1	01/08/96
Bromodichloromethane	BRL	0.50	1	01/08/96
1,2-Dichloropropane	BRL	0.50	1	01/08/96
cis-1,3-Dichloropropene	BRL	0.50	1	01/08/96
Trichloroethene	BRL	0.50	1	01/08/96
Dibromochloromethane	BRL	1.0	1	01/08/96
1,1,2-Trichloroethane	BRL	0.50	1	01/08/96
trans-1,3-Dichloropropene	BRL	0.50	1	01/08/96
Bromoform	BRL	1.0	1	01/08/96
1,1,2,2-Tetrachloroethane	BRL	1.0	1	01/08/96
Tetrachloroethene	BRL	0.50	1	01/08/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13210-25/35893-4005B

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	0.50	1	01/08/96
1,3-Dichlorobenzene	BRL	0.50	1	01/08/96
1,2-Dichlorobenzene	BRL	0.50	1	01/08/96
1,4-Dichlorobenzene	BRL	0.50	1	01/08/96
Freon 113	BRL	2.0	1	01/08/96

Surrogates	% Recovery	Limits
Bromochloromethane	92	51 - 144
Orthochlorotoluene	102	80 - 120

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-10-96

MBT Environmental Laboratories

Master Builders Technologies

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Sample ID: 01/07/96 MB/36733
Date Prepared: NA

Lab ID: 36733-MB /4005B
Matrix: Water
Batch Number: 4981
Instrument/Column: vgc10/RTX-502.2
Data File: 96008h14-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Date Analyzed
Chloromethane	BRL	4.0	01/07/96
Bromomethane	BRL	4.0	01/07/96
Vinyl Chloride	BRL	1.0	01/07/96
Chloroethane	BRL	4.0	01/07/96
Methylene Chloride	BRL	10	01/07/96
Trichlorofluoromethane	BRL	0.50	01/07/96
1,1-Dichloroethene	BRL	0.50	01/07/96
1,1-Dichloroethane	BRL	0.50	01/07/96
cis-1,2-Dichloroethene	BRL	0.50	01/07/96
trans-1,2-Dichloroethene	BRL	0.50	01/07/96
Chloroform	BRL	0.50	01/07/96
1,2-Dichloroethane	BRL	0.50	01/07/96
1,1,1-Trichloroethane	BRL	0.50	01/07/96
Carbon Tetrachloride	BRL	0.50	01/07/96
Bromodichloromethane	BRL	0.50	01/07/96
1,2-Dichloropropane	BRL	0.50	01/07/96
cis-1,3-Dichloropropene	BRL	0.50	01/07/96
Trichloroethene	BRL	0.50	01/07/96
Dibromochloromethane	BRL	0.50	01/07/96
1,1,2-Trichloroethane	BRL	1.0	01/07/96
trans-1,3-Dichloropropene	BRL	0.50	01/07/96
Bromoform	BRL	0.50	01/07/96
1,1,2,2-Tetrachloroethane	BRL	1.0	01/07/96
Tetrachloroethene	BRL	1.0	01/07/96
Chlorobenzene	BRL	0.50	01/07/96
1,3-Dichlorobenzene	BRL	0.50	01/07/96
1,2-Dichlorobenzene	BRL	0.50	01/07/96
1,4-Dichlorobenzene	BRL	0.50	01/07/96
Freon 113	BRL	0.50	01/07/96
		2.0	01/07/96

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 36733-MB /4005B 1217

Surrogates	% Recovery	Limits
Bromochloromethane	86	51 - 144
Orthochlorotoluene	110	80 - 120

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-10-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/10/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Date Prepared: NA

Lab ID: 36732-LS1 /4005B
Matrix: Water Units: ug/L (ppb)
Batch Number: 4981
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: 96008h13-0

LCS Date Analyzed: 01/07/96

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	10	12	118	NA	NA	NA	64-128	≤20
1,1,1-Trichloroethane	0	10	13	129*	NA	NA	NA	65-118	≤20
Trichloroethene	0	10	11	106	NA	NA	NA	69-131	≤20

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromochloromethane	8.0	7.1	89	NA	NA	51-144
Orthochlorotoluene	8.0	7.5	93	NA	NA	80-120
Bromofluorobenzene	8.0	0.40	5	NA	NA	-

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

Qualifier Legend:
* - Values outside QC

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-10-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/10/96

MBT Environmental
Laboratories

3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

Master Builders Technologies

Date: January 16, 1996
LP #: 13222

Everett Ferguson
McLaren/Hart Environmental Engineering
16755 Von Karman Avenue
Irvine, CA 92714

Dear Mr. Ferguson:

Enclosed are the laboratory results for the samples submitted to MBT Environmental Laboratories on December 29, 1995, for the project *Mobil - Jalk Fee*. The EDD will be sent subsequent to this report.

The report consists of the following sections:

1. Cover Page
2. Copy of Chain-of-Custody
3. General Narrative
4. Analytical and Quality Control Results

Unless otherwise instructed by you, samples will be disposed of two weeks from the date of this letter.

Thank you for choosing MBT Environmental Laboratories. We are looking forward to serving you in the future. Should you have any questions concerning this analytical report or the analytical methods employed, please do not hesitate to call.

Sincerely,

Chris Phillips

Chris Phillips
Project Coordinator

ANALYTICAL REPORT

LABORATORY PROJECT (LP) NUMBER 13222

MOBIL - JALK FEE

The analyses performed by MBT Environmental Laboratories in this report comply with the requirements under the following certification/approval:

	ARIZONA:	Hazardous Waste, #AZ0468 Waste Water, # AZ0468 Drinking Water, #AZ0468
✓	CALIFORNIA:	Hazardous Waste, #1417 Waste Water, # 1417 Drinking Water, #1417 Mobile Lab, #2070
	CONNECTICUT:	Waste Water, #PH0799
	FLORIDA:	Environmental Water, #E87298 CQAPP #930105
	KANSAS:	Hazardous Waste, #E-1167 Waste Water, #E-192 Drinking Water, #E-192
	NEW HAMPSHIRE:	Waste Water, #253195-B Drinking Water, #253195-A
	NEW JERSEY:	Waste Water, #44818
	NEW YORK:	Hazardous Waste, #11241 Waste Water, #11241 CLP, #11241
	OKLAHOMA:	Hazardous Waste, #9318 Waste Water, #9318
	SOUTH CAROLINA:	Hazardous Waste, #87013 Waste Water, #87013
	TENNESSEE:	Underground Storage Tank
	WASHINGTON:	Hazardous Waste, #C048
	WISCONSIN:	Hazardous Waste, #999940920 Waste Water, #999940920
	USACOE:	Hazardous Waste Waste Water
	AFCEE	Hazardous Waste Waste Water

(CN13222)

GENERAL NARRATIVE

Comments:

Test methods may include minor modifications of published EPA methods (e.g., reporting limits or parameter lists). Reporting limits are adjusted to reflect dilution of the sample when appropriate. Solids and waste are analyzed with no correction made for moisture content.

Percent recoveries for laboratory control samples and matrix spikes have been calculated using unrounded concentration values. Therefore, percent recoveries reported may differ slightly from those obtained from the rounded concentration values which appear on the report.

EPA 8010 Water:

The LCS recoveries for the analytes flagged on the LCS data sheets are outside of advisory quality control limits; however, all other QC meets the laboratory's acceptance criteria.

EPA 8010 Soil:

The internal standard for the Method Blank exceeded criteria.

Abbreviations and Definitions:

MB	*Method Blank* - An aliquot of a blank matrix carried throughout the entire analytical process
LCS	*Laboratory Control Sample* - A blank to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the accuracy of the method
MS/MSD	*Matrix Spike/Matrix Spike Duplicate* - Duplicate samples to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the extent of matrix bias or interference on analyte recovery
RPD	*Relative Percent Difference* - The measurement of precision between duplicate analyses
BRL	*Below Reporting Limit*
NS	*Not Specified*
NA	*Not Applicable*

(CN13222)

Flags:

Organics -

J	Estimated value below the reporting limit and at or above the method detection limit.
B	Analyte found in the associated blank, as well as in the sample.

Inorganics -

B	Estimated value below the reporting limit and at or above the method detection limit.

MI[illegible]vironmental Lab[illegible]atories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

1/2

CHAIN OF CUSTODY RECORD 17153

SEE SIDE 2 FOR COMPLETE INSTRUCTIONS

FOR LABORATORY USE ONLY
Laboratory Project #: 13222 Storage ID: 1, 12-C
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Project Name: Mobil - Jalk Fee
Project Number: 03.0601414.000
Project Location: (State) Santa Fe Springs, CA

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8 ☐ A

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	8010
1 13222 001	GP-23-25'	12/29/95		GP-23	25'	1	B	Soil	ICE	2 wks	X
2 002	GP-23-30'	↓		↓	30'	↓	↓	↓	↓	↓	X
3 003	GP-23-35'	↓		↓	35'	↓	↓	↓	↓	↓	X
4 004	GP-23-40'	↓		↓	40'	↓	↓	↓	↓	↓	X
5 005	GP-24-5'	↓		GP-24	5'	↓	↓	↓	↓	↓	X
6 006	GP-24-10'	↓		↓	10'	↓	↓	↓	↓	↓	X
7 007	GP-24-15'	↓		↓	15'	↓	↓	↓	↓	↓	X
8 008	GP-24-20'	↓		↓	20'	↓	↓	↓	↓	↓	X
9 009	GP-24-25'	↓		↓	25'	↓	↓	↓	↓	↓	X
10 010	GP-24-30'	↓		↓	30'	↓	↓	↓	↓	↓	X

SEND REPORT TO:
Company Name Mihaven/Hart
Client Name E Ferguson
Address Irvine
Phone 714-752-3213 Fax

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments

Sampler Name: Everett Ferguson Jr.
Signature: [signature]
PPE Worn in Field: Level D

Relinquished By:	Date/Time	Received By or Method of Shipment/Shipment I.D.	Date/Time
[signature]	12/29/95 11:30am	Bruce Clark	12-26-95 11:33am
Relinquished By:	Date/Time	Received By or Method of Shipment/Shipment I.D.	Date/Time
		[signature]	12-29-95 1030
Relinquished By:	Date/Time	Received By or Method of Shipment/Shipment I.D.	Date/Time

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

MI[illegible]vironmental
Lab[illegible]tories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

212

CHAIN OF CUSTODY RECORD 17154

SIDE 2 FOR COMPLETE INSTRUCTIONS

Project Name: Mobil-Jack Fee
Project Number: 03.0601414.000
Project Location: (State) Santa Fe Springs, CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13222 Storage ID: 1, 12-C
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Sample Disposal (check one)
- [x] Laboratory Standard
- [ ] Other

Level of QC (see Side 2): [x] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6A [ ] 6B [ ] 6C [ ] 6D [ ] 6E [ ] 6F [ ] 7 [ ] 8 [ ] A

Write in Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s): #	Container(s): Type	Matrix Type	Pres. Type	TAT	ANALYSES REQUESTED: 8010
1 13222 011	GP-24-35'	12/28/95		GP-24	35'	1	B	Soil	ICE	2wks	X
2 012	GP-24-40	↓		GP-24	40'	1	B	Soil	ICE	2wks	X
3 013	Trip Blank			—	—	2	V	H_2O	HCl	2wks	X
4 014	Rinse Blank	↓		—	—	2	V	H_2O	HCl	2wks	X
5											
6											
7											
8											
9											
10											

SEND REPORT TO:
Company Name Mclaren/Hart
Client Name E. Ferguson
Address Irvine
Phone Fax

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments

Sampler Name: Everett Ferguson Jr.
Signature
Relinquished By: Date/Time 12/28/95 11:30 am
Relinquished By: Date/Time
Relinquished By: Date/Time

PPE Worn in Field: Level D
Received By or Method of Shipment/Shipment I.D.: Bruce Clark 12-28-95 Date/Time 1132 am
Received By or Method of Shipment/Shipment I.D.: Jim Barbee Brasseur Date/Time 12.29.95 1030
Received By or Method of Shipment/Shipment I.D. Date/Time

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: NA
Sample Number: Trip Blank
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-13/36350-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Water (W)
Batch Number: 5020

Instrument/Column: vgc10/RTX-502.2
Data File: 96009h19-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	4.0	1	01/09/96
Bromomethane	BRL	4.0	1	01/09/96
Vinyl Chloride	BRL	1.0	1	01/09/96
Chloroethane	BRL	4.0	1	01/09/96
Methylene Chloride	BRL	10	1	01/09/96
Trichlorofluoromethane	BRL	0.50	1	01/09/96
1,1-Dichloroethene	BRL	0.50	1	01/09/96
1,1-Dichloroethane	BRL	0.50	1	01/09/96
cis-1,2-Dichloroethene	BRL	0.50	1	01/09/96
trans-1,2-Dichloroethene	BRL	0.50	1	01/09/96
Chloroform	BRL	0.50	1	01/09/96
1,2-Dichloroethane	BRL	0.50	1	01/09/96
1,1,1-Trichloroethane	BRL	0.50	1	01/09/96
Carbon Tetrachloride	BRL	0.50	1	01/09/96
Bromodichloromethane	BRL	0.50	1	01/09/96
1,2-Dichloropropane	BRL	0.50	1	01/09/96
cis-1,3-Dichloropropene	BRL	0.50	1	01/09/96
Trichloroethene	BRL	0.50	1	01/09/96
Dibromochloromethane	BRL	1.0	1	01/09/96
1,1,2-Trichloroethane	BRL	0.50	1	01/09/96
trans-1,3-Dichloropropene	BRL	0.50	1	01/09/96
Bromoform	BRL	1.0	1	01/09/96
1,1,2,2-Tetrachloroethane	BRL	1.0	1	01/09/96
Tetrachloroethene	BRL	0.50	1	01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-13/36350-4005B

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	0.50	1	01/09/96
1,3-Dichlorobenzene	BRL	0.50	1	01/09/96
1,2-Dichlorobenzene	BRL	0.50	1	01/09/96
1,4-Dichlorobenzene	BRL	0.50	1	01/09/96
Freon 113	BRL	2.0	1	01/09/96

Surrogates	% Recovery	Limits
Bromochloromethane	96	51 - 144
Orthochlorotoluene	102	80 - 120

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-11-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: NA
Sample Number: Rinse Blank
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-14/36351-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Water (W)
Batch Number: 5020

Instrument/Column: vgc10/RTX-502.2
Data File: 96009h20-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	4.0	1	01/09/96
Bromomethane	BRL	4.0	1	01/09/96
Vinyl Chloride	BRL	1.0	1	01/09/96
Chloroethane	BRL	4.0	1	01/09/96
Methylene Chloride	BRL	10	1	01/09/96
Trichlorofluoromethane	BRL	0.50	1	01/09/96
1,1-Dichloroethene	BRL	0.50	1	01/09/96
1,1-Dichloroethane	BRL	0.50	1	01/09/96
cis-1,2-Dichloroethene	BRL	0.50	1	01/09/96
trans-1,2-Dichloroethene	BRL	0.50	1	01/09/96
Chloroform	BRL	0.50	1	01/09/96
1,2-Dichloroethane	BRL	0.50	1	01/09/96
1,1,1-Trichloroethane	BRL	0.50	1	01/09/96
Carbon Tetrachloride	BRL	0.50	1	01/09/96
Bromodichloromethane	BRL	0.50	1	01/09/96
1,2-Dichloropropane	BRL	0.50	1	01/09/96
cis-1,3-Dichloropropene	BRL	0.50	1	01/09/96
Trichloroethene	BRL	0.50	1	01/09/96
Dibromochloromethane	BRL	1.0	1	01/09/96
1,1,2-Trichloroethane	BRL	0.50	1	01/09/96
trans-1,3-Dichloropropene	BRL	0.50	1	01/09/96
Bromoform	BRL	1.0	1	01/09/96
1,1,2,2-Tetrachloroethane	BRL	1.0	1	01/09/96
Tetrachloroethene	BRL	0.50	1	01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

.b ID: 13222-14/36351-4005B

ıalyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
.lorobenzene	BRL	0.50	1	01/09/96
;-Dichlorobenzene	BRL	0.50	1	01/09/96
:-Dichlorobenzene	BRL	0.50	1	01/09/96
;-Dichlorobenzene	BRL	0.50	1	01/09/96
:on 113	BRL	2.0	1	01/09/96

·rogates	% Recovery	Limits
)mochloromethane	92	51 - 144
:hochlorotoluene	104	80 - 120

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METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Sample ID: 01/09/96 MB/37045
Date Prepared: NA

Lab ID: 37045-MB /4005B
Matrix: Water
Batch Number: 5020
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h13-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Date Analyzed
Chloromethane	BRL	4.0	01/09/96
Bromomethane	BRL	4.0	01/09/96
Vinyl Chloride	BRL	1.0	01/09/96
Chloroethane	BRL	4.0	01/09/96
Methylene Chloride	BRL	10	01/09/96
Trichlorofluoromethane	BRL	0.50	01/09/96
1,1-Dichloroethene	BRL	0.50	01/09/96
1,1-Dichloroethane	BRL	0.50	01/09/96
cis-1,2-Dichloroethene	BRL	0.50	01/09/96
trans-1,2-Dichloroethene	BRL	0.50	01/09/96
Chloroform	BRL	0.50	01/09/96
1,2-Dichloroethane	BRL	0.50	01/09/96
1,1,1-Trichloroethane	BRL	0.50	01/09/96
Carbon Tetrachloride	BRL	0.50	01/09/96
Bromodichloromethane	BRL	0.50	01/09/96
1,2-Dichloropropane	BRL	0.50	01/09/96
cis-1,3-Dichloropropene	BRL	0.50	01/09/96
Trichloroethene	BRL	0.50	01/09/96
Dibromochloromethane	BRL	1.0	01/09/96
1,1,2-Trichloroethane	BRL	0.50	01/09/96
trans-1,3-Dichloropropene	BRL	0.50	01/09/96
Bromoform	BRL	1.0	01/09/96
1,1,2,2-Tetrachloroethane	BRL	1.0	01/09/96
Tetrachloroethene	BRL	0.50	01/09/96
Chlorobenzene	BRL	0.50	01/09/96
1,3-Dichlorobenzene	BRL	0.50	01/09/96
1,2-Dichlorobenzene	BRL	0.50	01/09/96
1,4-Dichlorobenzene	BRL	0.50	01/09/96
Freon 113	BRL	2.0	01/09/96

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 37045-MB /4005B 1101

Surrogates	% Recovery	Limits
Bromochloromethane	90	51 - 144
Orthochlorotoluene	109	80 - 120

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LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Date Prepared: NA

Lab ID: 37044-LS1 /4005B
Matrix: Water Units: ug/L (ppb)
Batch Number: 5020
LCS Date Analyzed: 01/09/96
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: 96009h12-0

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	10	11	113	NA	NA	NA	64-128	≤20
1,1,1-Trichloroethane	0	10	12	125*	NA	NA	NA	65-118	≤20
Trichloroethene	0	10	10	104	NA	NA	NA	69-131	≤20

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromochloromethane	8.0	7.4	93	NA	NA	51-144
Orthochlorotoluene	8.0	8.1	102	NA	NA	80-120

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

Qualifier Legend:
* - Values outside QC

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Report Generated: 01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-23 25.0-0.0
Sample Number: GP-23-25'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-1/35984-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h23-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/09/96
Bromomethane	BRL	100	1	01/09/96
Vinyl Chloride	BRL	20	1	01/09/96
Chloroethane	BRL	100	1	01/09/96
Methylene Chloride	BRL	250	1	01/09/96
Trichlorofluoromethane	BRL	10	1	01/09/96
1,1-Dichloroethene	BRL	10	1	01/09/96
1,1-Dichloroethane	BRL	10	1	01/09/96
cis-1,2-Dichloroethene	BRL	10	1	01/09/96
trans-1,2-Dichloroethene	BRL	10	1	01/09/96
Chloroform	BRL	10	1	01/09/96
1,2-Dichloroethane	BRL	10	1	01/09/96
1,1,1-Trichloroethane	BRL	10	1	01/09/96
Carbon Tetrachloride	BRL	10	1	01/09/96
Bromodichloromethane	BRL	10	1	01/09/96
1,2-Dichloropropane	BRL	10	1	01/09/96
cis-1,3-Dichloropropene	BRL	10	1	01/09/96
Trichloroethene	BRL	10	1	01/09/96
Dibromochloromethane	BRL	20	1	01/09/96
1,1,2-Trichloroethane	BRL	10	1	01/09/96
trans-1,3-Dichloropropene	BRL	10	1	01/09/96
Bromoform	BRL	20	1	01/09/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/09/96
Tetrachloroethene	BRL	10	1	01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-1/35984-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/09/96
1,3-Dichlorobenzene	BRL	10	1	01/09/96
1,2-Dichlorobenzene	BRL	10	1	01/09/96
1,4-Dichlorobenzene	BRL	10	1	01/09/96
Freon 113	BRL	50	1	01/09/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	83	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-23 30.0-0.0
Sample Number: GP-23-30'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-2/35985-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h24-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/09/96
Bromomethane	BRL	100	1	01/09/96
Vinyl Chloride	BRL	20	1	01/09/96
Chloroethane	BRL	100	1	01/09/96
Methylene Chloride	BRL	250	1	01/09/96
Trichlorofluoromethane	BRL	10	1	01/09/96
1,1-Dichloroethene	BRL	10	1	01/09/96
1,1-Dichloroethane	BRL	10	1	01/09/96
cis-1,2-Dichloroethene	10	10	1	01/09/96
trans-1,2-Dichloroethene	BRL	10	1	01/09/96
Chloroform	BRL	10	1	01/09/96
1,2-Dichloroethane	BRL	10	1	01/09/96
1,1,1-Trichloroethane	BRL	10	1	01/09/96
Carbon Tetrachloride	BRL	10	1	01/09/96
Bromodichloromethane	BRL	10	1	01/09/96
1,2-Dichloropropane	BRL	10	1	01/09/96
cis-1,3-Dichloropropene	BRL	10	1	01/09/96
Trichloroethene	10	10	1	01/09/96
Dibromochloromethane	BRL	20	1	01/09/96
1,1,2-Trichloroethane	BRL	10	1	01/09/96
trans-1,3-Dichloropropene	BRL	10	1	01/09/96
Bromoform	BRL	20	1	01/09/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/09/96
Tetrachloroethene	21	10	1	01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-2/35985-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/09/96
1,3-Dichlorobenzene	BRL	10	1	01/09/96
1,2-Dichlorobenzene	BRL	10	1	01/09/96
1,4-Dichlorobenzene	BRL	10	1	01/09/96
Freon 113	BRL	50	1	01/09/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	80	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-23 35.0-0.0
Sample Number: GP-23-35'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-3/35986-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h25-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/09/96
Bromomethane	BRL	100	1	01/09/96
Vinyl Chloride	BRL	20	1	01/09/96
Chloroethane	BRL	100	1	01/09/96
Methylene Chloride	BRL	250	1	01/09/96
Trichlorofluoromethane	BRL	10	1	01/09/96
1,1-Dichloroethene	BRL	10	1	01/09/96
1,1-Dichloroethane	BRL	10	1	01/09/96
cis-1,2-Dichloroethene	BRL	10	1	01/09/96
trans-1,2-Dichloroethene	BRL	10	1	01/09/96
Chloroform	BRL	10	1	01/09/96
1,2-Dichloroethane	BRL	10	1	01/09/96
1,1,1-Trichloroethane	BRL	10	1	01/09/96
Carbon Tetrachloride	BRL	10	1	01/09/96
Bromodichloromethane	BRL	10	1	01/09/96
1,2-Dichloropropane	BRL	10	1	01/09/96
cis-1,3-Dichloropropene	BRL	10	1	01/09/96
Trichloroethene	BRL	10	1	01/09/96
Dibromochloromethane	BRL	20	1	01/09/96
1,1,2-Trichloroethane	BRL	10	1	01/09/96
trans-1,3-Dichloropropene	BRL	10	1	01/09/96
Bromoform	BRL	20	1	01/09/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/09/96
Tetrachloroethene	BRL	10	1	01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-3/35986-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/09/96
1,3-Dichlorobenzene	BRL	10	1	01/09/96
1,2-Dichlorobenzene	BRL	10	1	01/09/96
1,4-Dichlorobenzene	BRL	10	1	01/09/96
Freon 113	BRL	50	1	01/09/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	75	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-23 40.0-0.0
Sample Number: GP-23-40'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-4/35987-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h29-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-4/35987-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	97	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-24 5.0-0.0
Sample Number: GP-24-5'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-5/35988-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h30-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-5/35988-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	89	50 - 156

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Report Generated: 01/12/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-24 10.0-0.0
Sample Number: GP-24-10'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-6/35989-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h31-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-6/35989-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	97	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-24 15.0-0.0
Sample Number: GP-24-15'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-7/35990-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h32-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	110	10	1	01/10/96
trans-1,2-Dichloroethene	160	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	180	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-7/35990-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	76	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-24 20.0-0.0
Sample Number: GP-24-20'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-8/35991-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h33-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-8/35991-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	78	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-24 25.0-0.0
Sample Number: GP-24-25'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-9/35992-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h34-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	13	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	23	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-9/35992-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	85	50 - 156

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Report Generated: 01/12/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-24 30.0-0.0
Sample Number: GP-24-30'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-10/35993-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h35-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-10/35993-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	82	50 - 156

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Report Generated: 01/12/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-24 35.0-0.0
Sample Number: GP-24-35'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-11/35994-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h36-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-11/35994-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	99	50 - 156

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Report Generated: 01/12/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-24 40.0-0.0
Sample Number: GP-24-40'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-12/35995-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S)
Batch Number: 5070
% Moisture: NA
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h37-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13222-12/35995-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	77	50 - 156

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METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Sample ID: 01/09/96 MB/37319
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

Lab ID: 37319-MB /4005B
Matrix: Soil
Batch Number: 5070
Instrument/Column: vgc05/RTX-502.2
Data File: 96009e26-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Chloromethane	BRL	100	01/10/96
Bromomethane	BRL	100	01/10/96
Vinyl Chloride	BRL	20	01/10/96
Chloroethane	BRL	100	01/10/96
Methylene Chloride	BRL	250	01/10/96
Trichlorofluoromethane	BRL	10	01/10/96
1,1-Dichloroethene	BRL	10	01/10/96
1,1-Dichloroethane	BRL	10	01/10/96
cis-1,2-Dichloroethene	BRL	10	01/10/96
trans-1,2-Dichloroethene	BRL	10	01/10/96
Chloroform	BRL	10	01/10/96
1,2-Dichloroethane	BRL	10	01/10/96
1,1,1-Trichloroethane	BRL	10	01/10/96
Carbon Tetrachloride	BRL	10	01/10/96
Bromodichloromethane	BRL	10	01/10/96
1,2-Dichloropropane	BRL	10	01/10/96
cis-1,3-Dichloropropene	BRL	10	01/10/96
Trichloroethene	BRL	10	01/10/96
Dibromochloromethane	BRL	20	01/10/96
1,1,2-Trichloroethane	BRL	10	01/10/96
trans-1,3-Dichloropropene	BRL	10	01/10/96
Bromoform	BRL	20	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	01/10/96
Tetrachloroethene	BRL	10	01/10/96
Chlorobenzene	BRL	10	01/10/96
1,3-Dichlorobenzene	BRL	10	01/10/96
1,2-Dichlorobenzene	BRL	10	01/10/96
1,4-Dichlorobenzene	BRL	10	01/10/96
Freon 113	BRL	50	01/10/96

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 37319-MB /4005B 0737

Surrogates	% Recovery	Limits
Bromofluorobenzene	70	50 - 156

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LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL
LCS Date Analyzed: 01/10/96

Lab ID: 37320-LS1 /4005B
Matrix: Soil Units: ug/Kg (ppb)
Batch Number: 5070
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: 96009e27-0

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	250	230	92	NA	NA	NA	65-120	≤25
1,1,1-Trichloroethane	0	250	220	90	NA	NA	NA	60-114	≤25
Trichloroethene	0	250	230	93	NA	NA	NA	62-138	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	110	55	NA	NA	50-156

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

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Master Builders Technologies

Report Generated: 01/12/96

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil-Jalk Fee
Sample Description: GP-23 30.0-0.0
Sample Number: GP-23-30'
Date/Time Received: 12/29/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 , 20 grams
Final Volume: 10 , 10 mL
MS Date Analyzed: 01/10/96

SDG #: 13222
Project Number: 030601414000
Lab ID: 13222-2/37339,37340-4005B
Date/Time Sampled: 12/28/95 00:00
Matrix: Soil (S) Units: ug/Kg (ppb)
Batch Number: 5070
% Moisture: NA

MSD Date Analyzed: 01/10/96

Analyte	(a) Sample Conc.	(b) MS/ MSD Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	250	210	85	240	95	11	65-120	≤25
1,1,1-Trichloroethane	0	250	260	104	280	112	8	60-114	≤25
Trichloroethene	10	250	200	80	210	85	6	62-138	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) MS/ MSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	150	76	180	90	50-156

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-15-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/12/96

MBT Environmental
Laboratories

3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

Master Builders Technologies

Date: January 16, 1996
LP #: 13230

Tabb Bubier
McLaren/Hart Environmental Engineering
16755 Von Karman Avenue
Irvine, CA 92714

Dear Mr. Bubier:

Enclosed are the laboratory results for the samples submitted to MBT Environmental Laboratories on December 30, 1995, for the project *Mobil Jalk Fee*. The EDD will be sent subsequent to this report.

The report consists of the following sections:

1. Cover Page
2. Copy of Chain-of-Custody
3. General Narrative
4. Analytical and Quality Control Results

Unless otherwise instructed by you, samples will be disposed of two weeks from the date of this letter.

Thank you for choosing MBT Environmental Laboratories. We are looking forward to serving you in the future. Should you have any questions concerning this analytical report or the analytical methods employed, please do not hesitate to call.

Sincerely,

Chris Phillips
Project Coordinator

ANALYTICAL REPORT

LABORATORY PROJECT (LP) NUMBER 13230

MOBIL JALK FEE

The analyses performed by MBT Environmental Laboratories in this report comply with the requirements under the following certification/approval:

	ARIZONA:	Hazardous Waste, #AZ0468 Waste Water, # AZ0468 Drinking Water, #AZ0468
✓	CALIFORNIA:	Hazardous Waste, #1417 Waste Water, # 1417 Drinking Water, #1417 Mobile Lab, #2070
	CONNECTICUT:	Waste Water, #PH0799
	FLORIDA:	Environmental Water, #E87298 CQAPP #930105
	KANSAS:	Hazardous Waste, #E-1167 Waste Water, #E-192 Drinking Water, #E-192
	NEW HAMPSHIRE:	Waste Water, #253195-B Drinking Water, #253195-A
	NEW JERSEY:	Waste Water, #44818
	NEW YORK:	Hazardous Waste, #11241 Waste Water, #11241 CLP, #11241
	OKLAHOMA:	Hazardous Waste, #9318 Waste Water, #9318
	SOUTH CAROLINA:	Hazardous Waste, #87013 Waste Water, #87013
	TENNESSEE:	Underground Storage Tank
	WASHINGTON:	Hazardous Waste, #C048
	WISCONSIN:	Hazardous Waste, #999940920 Waste Water, #999940920
	USACOE:	Hazardous Waste Waste Water
	AFCEE	Hazardous Waste Waste Water

(CN13230)

MB Environmental Laboratories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

CHAIN OF CUSTODY RECORD 17893

SEE SIDE 2 FOR COMPLETE INSTRUCTIONS

Project Name: Mobil Jail Tee
Project Number: 03.0601414.000
Project Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13236 Storage ID: 12-B, 1
Sample Condition Upon Receipt: Temp: [illegible] °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6A ☐ 6B ☐ 6C ☐ 6D ☐ 6E ☐ 6F ☐ 7 ☐ 8 ☐ A

Write in Analysis Method →

SAMPLE INFORMATION

ANALYSES REQUESTED

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s) #	Container(s) Type	Matrix Type	Pres. Type	TAT	8010 (HAL VOCs)
1 [illegible] 001	MB-1-25	12/29	800			1	Brass	Soil	NONE	2 week	/
2 [illegible] 002	MB-1-30	↓	805			1	↓	↓	↓	↓	/
3 [illegible] 003	MB-1-35		815			1					/
4 [illegible] 004	MB-1-40		818			1					/
5 [illegible] 005	MB-1-45		825			1					/
6 [illegible] 006	MB-1-50		830			1					/
7 [illegible] 007	MB-1-55		835			1					/
8 [illegible] 008	MB-1-59		840			1					/
9 [illegible] 009	MB-2-25		950			1					/
10 [illegible] 010	MB-2-30	↓	955			1	↓	↓	↓	↓	/

SEND REPORT TO:
Company Name McLaren/Hart
Client Name Tabb Bubier
Address 16755 Von Karman Ave
Irvine, CA
Phone (714) 756-2667 Fax (714) 756-8160

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments

Sampler Name: Todd Overturf
Signature: Todd Overturf
PPE Worn in Field: Bart Navarro 12-29-95 13:51

Relinquished By: Todd Overturf Date/Time: 12/29/95 1354 Received By or Method of Shipment/Shipment I.D. Date/Time

Relinquished By: [illegible] Date/Time [illegible] 10:30 Received By or Method of Shipment/Shipment I.D. [illegible] Date/Time 12/30/95 10:30

Relinquished By: Date/Time Received By or Method of Shipment/Shipment I.D. Date/Time

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivos
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

ME vironmental
Labo..atories
3083 Gold Canal Drive
Rancho Cordova
CA 95670
Phone 916/852-6600
Fax 916/852-7292

CHAIN OF CUSTODY RECORD 17894

SEE SIDE 2 FOR COMPLETE INSTRUCTIONS

roject Name: Mobl Valk Tee
roject Number: 03.0601414.000
roject Location: (State) CA

FOR LABORATORY USE ONLY
Laboratory Project #: 13230 Storage ID: 12-B, 1
Sample Condition Upon Receipt: Temp: 2 °C Geiger:
Custody Seals Present? Yes/No Intact? Yes/No Samples Intact? Yes/No

Sample Disposal (check one)
☒ Laboratory Standard
☐ Other

Level of QC (see Side 2): ☒1 ☐2 ☐3 ☐4 ☐5 ☐6A ☐6B ☐6C ☐6D ☐6E ☐6F ☐7 ☐8 ☐A

Write in Analysis Method

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description: Locator	Description: Depth	Container(s) #	Container(s) Type	Matrix Type	Pres. Type	TAT	8010
1 13230 011	MB-2-35	12/29	1000			1	Brass	Soil	NONE	2 week	/
2 012	MB-2-40		1005			1					/
3 013	MB-2-45		1014			1					/
4 014	MB-2-50		1020			1					/
5 015	MB-2-55		1025			1					/
6 016	MB-2-59		1030			1					/
7 017	Trip Blank		700			2	VOA	WATER	HCL		/
8 018	Rinse Blank		940			2	VOA	WATER	HCL		/
9											
0											

END REPORT TO:
ompany Name
lient Name
ddress
hone Fax

BILL TO (if different):
Company Name
Address
PO #
Phone Fax

Special Instructions/Comments

ampler Name: Todd Overturf	Signature: Todd Overturf	PPE Worn in Field: Art Navarro	12-29-95 13:51
elinquished By: Todd Overturf	Date/Time: 12/29/95 1351	Received By or Method of Shipment/Shipment I.D.	Date/Time
elinquished By: [signature]	Date/Time: 12/30/95 10:30	Received By or Method of Shipment/Shipment I.D.	Date/Time: 12/30/95 10:30
elinquished By:	Date/Time	Received By or Method of Shipment/Shipment I.D.	Date/Time

Common Analytical Methods
413.1
413.2 Long Method
413.2 Short Method
418.1 Long Method
418.1 Short Method
420.1
502.2
503E
503.1
524.2
601
602
604
608
610
624
625
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8150
8240
8270
8310
Acidity
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Corrosivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hex. Chromium
Ion Balance
Metals (write specific metal & method #)*
Metals 6010*
Metals PP*
Metals Title 22:
TTLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Odor
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfides
TCLP:
VOA
Semivoa
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH/D
TPH/G
TSS
Turbidity

* Specify Total or Dissolved

GENERAL NARRATIVE

Comments:

Test methods may include minor modifications of published EPA methods (e.g., reporting limits or parameter lists). Reporting limits are adjusted to reflect dilution of the sample when appropriate. Solids and waste are analyzed with no correction made for moisture content.

Percent recoveries for laboratory control samples and matrix spikes have been calculated using unrounded concentration values. Therefore, percent recoveries reported may differ slightly from those obtained from the rounded concentration values which appear on the report.

EPA 8010 Soil:

The surrogate recoveries for the analytes flagged on the data sheet were beyond acceptance limits for the following samples: 13230-2, 13230-3, 13230-4, 13230-6, 13230-7, 13230-10, 13230-11, and 13230-3MS/MSD.

The surrogate recoveries for the analytes flagged on the data sheet were diluted out for the following sample: 13230-1.

The following samples were analyzed at a dilution due to the presence of non-target analyte interferences: 13230-1, 13230-3, and 13230-10.

The following sample was initially analyzed and exhibited surrogate and/or internal standard recoveries beyond QC acceptance limits. The sample was reanalyzed and again exhibited surrogate and/or internal standard recoveries beyond QC acceptance limits, indicating the presence of a matrix effect: 13230-6.

Abbreviations and Definitions:

MB	*Method Blank* - An aliquot of a blank matrix carried throughout the entire analytical process
LCS	*Laboratory Control Sample* - A blank to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the accuracy of the method
MS/MSD	*Matrix Spike/Matrix Spike Duplicate* - Duplicate samples to which known quantities of specific analytes are added prior to sample preparation and analysis to assess the extent of matrix bias or interference on analyte recovery

(CN13230)

RPD	*Relative Percent Difference* - The measurement of precision between duplicate analyses
BRL	*Below Reporting Limit*
NS	*Not Specified*
NA	*Not Applicable*

Flags:

Organics -

J	Estimated value below the reporting limit and at or above the method detection limit.
B	Analyte found in the associated blank, as well as in the sample.

Inorganics -

B	Estimated value below the reporting limit and at or above the method detection limit.

(CN13230)

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-25
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-1/36171-4005B
Date/Time Sampled: 12/29/95 08:00
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e31-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	1000	10	01/11/96
Bromomethane	BRL	1000	10	01/11/96
Vinyl Chloride	BRL	200	10	01/11/96
Chloroethane	BRL	1000	10	01/11/96
Methylene Chloride	BRL	2500	10	01/11/96
Trichlorofluoromethane	BRL	100	10	01/11/96
1,1-Dichloroethene	BRL	100	10	01/11/96
1,1-Dichloroethane	BRL	100	10	01/11/96
cis-1,2-Dichloroethene	BRL	100	10	01/11/96
trans-1,2-Dichloroethene	BRL	100	10	01/11/96
Chloroform	BRL	100	10	01/11/96
1,2-Dichloroethane	BRL	100	10	01/11/96
1,1,1-Trichloroethane	BRL	100	10	01/11/96
Carbon Tetrachloride	BRL	100	10	01/11/96
Bromodichloromethane	BRL	100	10	01/11/96
1,2-Dichloropropane	BRL	100	10	01/11/96
cis-1,3-Dichloropropene	BRL	100	10	01/11/96
Trichloroethene	BRL	100	10	01/11/96
Dibromochloromethane	BRL	200	10	01/11/96
1,1,2-Trichloroethane	BRL	100	10	01/11/96
trans-1,3-Dichloropropene	BRL	100	10	01/11/96
Bromoform	BRL	200	10	01/11/96
1,1,2,2-Tetrachloroethane	BRL	200	10	01/11/96
Tetrachloroethene	4100	100	10	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-1/36171-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	100	10	01/11/96
1,3-Dichlorobenzene	BRL	100	10	01/11/96
1,2-Dichlorobenzene	BRL	100	10	01/11/96
1,4-Dichlorobenzene	BRL	100	10	01/11/96
Freon 113	BRL	500	10	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	24 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-16-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-30
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-2/36173-4005B
Date/Time Sampled: 12/29/95 08:05
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e32-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	BRL	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	700	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-2/36173-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	45 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-16-96

MBT Environmental Laboratories

Master Builders Technologies

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-35
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-3/36174-4005B
Date/Time Sampled: 12/29/95 08:15
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e12-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	22	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	2000	100	10	01/12/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-3/36174-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	45 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-16-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-40
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-4/36175-4005B
Date/Time Sampled: 12/29/95 08:18
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e33-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	BRL	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	170	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-4/36175-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	46 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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Approved by: _____ Date: 1-16-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-45
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-5/36176-4005B
Date/Time Sampled: 12/29/95 08:25
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e11-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-5/36176-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	60	50 - 156

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Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-50
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-6/36177-4005B
Date/Time Sampled: 12/29/95 08:30
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e17-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-6/36177-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	24 *	50 - 156

Qualifier Legend:
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Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-55
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-7/36178-4005B
Date/Time Sampled: 12/29/95 08:35
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e18-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	55	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-7/36178-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	48 *	50 - 156

Qualifier Legend:
- Values outside QC limits

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Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-59
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-8/36179-4005B
Date/Time Sampled: 12/29/95 08:40
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e19-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-8/36179-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	60	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-25
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-9/36180-4005B
Date/Time Sampled: 12/29/95 09:50
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e34-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	260	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	85	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-9/36180-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	54	50 - 156

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Master Builders Technologies

Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-30
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-10/36181-4005B
Date/Time Sampled: 12/29/95 09:55
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e20-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	970	100	10	01/12/96
rans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
,2-Dichloroethane	BRL	10	1	01/10/96
,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
,2-Dichloropropane	BRL	10	1	01/10/96
is-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	76	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
,1,2-Trichloroethane	BRL	10	1	01/10/96
rans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
etrachloroethene	260	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-10/36181-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	46 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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Master Builders Technologies

Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-35
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-11/36182-4005B
Date/Time Sampled: 12/29/95 10:00
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e24-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	510	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	34	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	130	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-11/36182-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	46 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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Master Builders Technologies

Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-40
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-12/36183-4005B
Date/Time Sampled: 12/29/95 10:05
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e25-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	15	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	BRL	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-12/36183-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	58	50 - 156

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Approved by: _____ Date: 1-16-96

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Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-45
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-13/36184-4005B
Date/Time Sampled: 12/29/95 10:14
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc10/RTX-502.2
Data File: 96010h30-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	BRL	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	BRL	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-13/36184-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	90	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-50
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-14/36185-4005B
Date/Time Sampled: 12/29/95 10:20
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc10/RTX-502.2
Data File: 96010h31-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	BRL	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	BRL	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-14/36185-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	99	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-55
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-15/36186-4005B
Date/Time Sampled: 12/29/95 10:25
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc10/RTX-502.2
Data File: 96010h32-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	BRL	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	BRL	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-15/36186-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	89	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-59
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-16/36187-4005B
Date/Time Sampled: 12/29/95 10:30
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e26-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	BRL	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	BRL	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-16/36187-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	60	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Sample ID: 01/10/96 MB/37607
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

Lab ID: 37607-MB /4005B
Matrix: Soil
Batch Number: 5111
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e10-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Chloromethane	BRL	100	01/10/96
Bromomethane	BRL	100	01/10/96
Vinyl Chloride	BRL	20	01/10/96
Chloroethane	BRL	100	01/10/96
Methylene Chloride	BRL	250	01/10/96
Trichlorofluoromethane	BRL	10	01/10/96
1,1-Dichloroethene	BRL	10	01/10/96
1,1-Dichloroethane	BRL	10	01/10/96
cis-1,2-Dichloroethene	BRL	10	01/10/96
trans-1,2-Dichloroethene	BRL	10	01/10/96
Chloroform	BRL	10	01/10/96
1,2-Dichloroethane	BRL	10	01/10/96
1,1,1-Trichloroethane	BRL	10	01/10/96
Carbon Tetrachloride	BRL	10	01/10/96
Bromodichloromethane	BRL	10	01/10/96
1,2-Dichloropropane	BRL	10	01/10/96
cis-1,3-Dichloropropene	BRL	10	01/10/96
Trichloroethene	BRL	10	01/10/96
Dibromochloromethane	BRL	20	01/10/96
1,1,2-Trichloroethane	BRL	10	01/10/96
trans-1,3-Dichloropropene	BRL	10	01/10/96
Bromoform	BRL	20	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	01/10/96
Tetrachloroethene	BRL	10	01/10/96
Chlorobenzene	BRL	10	01/10/96
1,3-Dichlorobenzene	BRL	10	01/10/96
1,2-Dichlorobenzene	BRL	10	01/10/96
1,4-Dichlorobenzene	BRL	10	01/10/96
Freon 113	BRL	50	01/10/96

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

ID: 37607-MB /4005B 1432

ɔgates	% Recovery	Limits
ıofluorobenzene	63	50 - 156

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ıerated: 01/15/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL
LCS Date Analyzed: 01/10/96

Lab ID: 37608-LS1 /4005B
Matrix: Soil Units: ug/Kg (ppb)
Batch Number: 5111
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: 96010e15-0

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	250	250	99	NA	NA	NA	65-120	≤25
1,1,1-Trichloroethane	0	250	240	95	NA	NA	NA	60-114	≤25
Trichloroethene	0	250	250	100	NA	NA	NA	62-138	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	120	62	NA	NA	50-156

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

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Approved by: _____ Date: 1-16-96

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Report Generated: 01/15/96

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-35
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 , 20 grams
Final Volume: 10 , 10 mL
MS Date Analyzed: 01/10/96

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-3/37609,37610-4005B
Date/Time Sampled: 12/29/95 08:15
Matrix: Soil (S) Units: ug/Kg (ppb)
Batch Number: 5111
% Moisture: 0

MSD Date Analyzed: 01/10/96
Instrument/Column: /RTX-502.2
Data File: 96010e13-0, 96010e14-

Analyte	(a) Sample Conc.	(b) MS/ MSD Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	250	170	67	180	72	6	65-120	≤25
1,1,1-Trichloroethane	0	250	180	70	200	80	11	60-114	≤25
Trichloroethene	22	250	220	89	230	91	4	62-138	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) MS/ MSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	84	42*	89	44*	50-156

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

Qualifier Legend:
* - Values outside QC

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: Trip Blank
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-17/36188-4005B
Date/Time Sampled: 12/29/95 07:00
Matrix: Water (W)
Batch Number: 5021

Instrument/Column: vgc10/RTX-502.2
Data File: 96009h21-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	4.0	1	01/09/96
Bromomethane	BRL	4.0	1	01/09/96
Vinyl Chloride	BRL	1.0	1	01/09/96
Chloroethane	BRL	4.0	1	01/09/96
Methylene Chloride	BRL	10	1	01/09/96
Trichlorofluoromethane	BRL	0.50	1	01/09/96
1,1-Dichloroethene	BRL	0.50	1	01/09/96
1,1-Dichloroethane	BRL	0.50	1	01/09/96
cis-1,2-Dichloroethene	BRL	0.50	1	01/09/96
trans-1,2-Dichloroethene	BRL	0.50	1	01/09/96
Chloroform	BRL	0.50	1	01/09/96
1,2-Dichloroethane	BRL	0.50	1	01/09/96
1,1,1-Trichloroethane	BRL	0.50	1	01/09/96
Carbon Tetrachloride	BRL	0.50	1	01/09/96
Bromodichloromethane	BRL	0.50	1	01/09/96
1,2-Dichloropropane	BRL	0.50	1	01/09/96
cis-1,3-Dichloropropene	BRL	0.50	1	01/09/96
Trichloroethene	BRL	0.50	1	01/09/96
Dibromochloromethane	BRL	1.0	1	01/09/96
1,1,2-Trichloroethane	BRL	0.50	1	01/09/96
trans-1,3-Dichloropropene	BRL	0.50	1	01/09/96
Bromoform	BRL	1.0	1	01/09/96
1,1,2,2-Tetrachloroethane	BRL	1.0	1	01/09/96
Tetrachloroethene	BRL	0.50	1	01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-17/36188-4005B

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	0.50	1	01/09/96
1,3-Dichlorobenzene	BRL	0.50	1	01/09/96
1,2-Dichlorobenzene	BRL	0.50	1	01/09/96
1,4-Dichlorobenzene	BRL	0.50	1	01/09/96
Freon 113	BRL	2.0	1	01/09/96

Surrogates	% Recovery	Limits
Bromochloromethane	94	51 - 144
Orthochlorotoluene	106	80 - 120

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: Rinse Blank
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-18/36189-4005B
Date/Time Sampled: 12/29/95 09:40
Matrix: Water (W)
Batch Number: 5021

Instrument/Column: vgc10/RTX-502.2
Data File: 96009h22-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	4.0	1	01/09/96
Bromomethane	BRL	4.0	1	01/09/96
Vinyl Chloride	BRL	1.0	1	01/09/96
Chloroethane	BRL	4.0	1	01/09/96
Methylene Chloride	BRL	10	1	01/09/96
Trichlorofluoromethane	BRL	0.50	1	01/09/96
,1-Dichloroethene	BRL	0.50	1	01/09/96
,1-Dichloroethane	BRL	0.50	1	01/09/96
is-1,2-Dichloroethene	BRL	0.50	1	01/09/96
ans-1,2-Dichloroethene	BRL	0.50	1	01/09/96
Chloroform	BRL	0.50	1	01/09/96
,2-Dichloroethane	BRL	0.50	1	01/09/96
,1,1-Trichloroethane	BRL	0.50	1	01/09/96
Carbon Tetrachloride	BRL	0.50	1	01/09/96
Bromodichloromethane	BRL	0.50	1	01/09/96
,2-Dichloropropane	BRL	0.50	1	01/09/96
is-1,3-Dichloropropene	BRL	0.50	1	01/09/96
Trichloroethene	BRL	0.50	1	01/09/96
Dibromochloromethane	BRL	1.0	1	01/09/96
,1,2-Trichloroethane	BRL	0.50	1	01/09/96
ans-1,3-Dichloropropene	BRL	0.50	1	01/09/96
romoform	BRL	1.0	1	01/09/96
,1,2,2-Tetrachloroethane	BRL	1.0	1	01/09/96
etrachloroethene	BRL	0.50	1	01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-18/36189-4005B

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	0.50	1	01/09/96
1,3-Dichlorobenzene	BRL	0.50	1	01/09/96
1,2-Dichlorobenzene	BRL	0.50	1	01/09/96
1,4-Dichlorobenzene	BRL	0.50	1	01/09/96
Freon 113	BRL	2.0	1	01/09/96

Surrogates	% Recovery	Limits
Bromochloromethane	94	51 - 144
Orthochlorotoluene	106	80 - 120

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Approved by: _____ Date: 1-12-96

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METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Sample ID: 01/09/96 MB/37047
Date Prepared: NA

Lab ID: 37047-MB /4005B
Matrix: Water
Batch Number: 5021
Instrument/Column: vgc10/RTX-502.2
Data File: 96009h13-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Date Analyzed
Chloromethane	BRL	4.0	01/09/96
Bromomethane	BRL	4.0	01/09/96
Vinyl Chloride	BRL	1.0	01/09/96
Chloroethane	BRL	4.0	01/09/96
Methylene Chloride	BRL	10	01/09/96
Trichlorofluoromethane	BRL	0.50	01/09/96
1,1-Dichloroethene	BRL	0.50	01/09/96
1,1-Dichloroethane	BRL	0.50	01/09/96
cis-1,2-Dichloroethene	BRL	0.50	01/09/96
trans-1,2-Dichloroethene	BRL	0.50	01/09/96
Chloroform	BRL	0.50	01/09/96
1,2-Dichloroethane	BRL	0.50	01/09/96
1,1,1-Trichloroethane	BRL	0.50	01/09/96
Carbon Tetrachloride	BRL	0.50	01/09/96
Bromodichloromethane	BRL	0.50	01/09/96
1,2-Dichloropropane	BRL	0.50	01/09/96
cis-1,3-Dichloropropene	BRL	0.50	01/09/96
Trichloroethene	BRL	0.50	01/09/96
Dibromochloromethane	BRL	1.0	01/09/96
1,1,2-Trichloroethane	BRL	0.50	01/09/96
trans-1,3-Dichloropropene	BRL	0.50	01/09/96
Bromoform	BRL	1.0	01/09/96
1,1,2,2-Tetrachloroethane	BRL	1.0	01/09/96
Tetrachloroethene	BRL	0.50	01/09/96
Chlorobenzene	BRL	0.50	01/09/96
1,3-Dichlorobenzene	BRL	0.50	01/09/96
1,2-Dichlorobenzene	BRL	0.50	01/09/96
1,4-Dichlorobenzene	BRL	0.50	01/09/96
Freon 113	BRL	2.0	01/09/96

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 37047-MB /4005B 1101

Surrogates	% Recovery	Limits
Bromochloromethane	90	51 - 144
Orthochlorotoluene	109	80 - 120

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Report Generated: 01/11/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Date Prepared: NA

Lab ID: 37046-LS1 /4005B
Matrix: Water Units: ug/L (ppb)
Batch Number: 5021
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: 96009h12-0

LCS Date Analyzed: 01/09/96

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	10	11	113	NA	NA	NA	64-128	≤20
1,1,1-Trichloroethane	0	10	12	125*	NA	NA	NA	65-118	≤20
Trichloroethene	0	10	10	104	NA	NA	NA	69-131	≤20

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromochloromethane	8.0	7.4	93	NA	NA	51-144
Orthochlorotoluene	8.0	8.1	102	NA	NA	80-120

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

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- Values outside QC

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:port Generated: 01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-45
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-5/36176-4005B
Date/Time Sampled: 12/29/95 08:25
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e11-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-5/36176-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	60	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-50
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-6/36177-4005B
Date/Time Sampled: 12/29/95 08:30
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e17-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-6/36177-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	24 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-55
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-7/36178-4005B
Date/Time Sampled: 12/29/95 08:35
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e18-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	55	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-7/36178-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	48 *	50 - 156

Qualifier Legend:
- Values outside QC limits

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Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-59
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-8/36179-4005B
Date/Time Sampled: 12/29/95 08:40
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e19-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	BRL	10	1	01/10/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	BRL	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	BRL	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-8/36179-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	60	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-25
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-9/36180-4005B
Date/Time Sampled: 12/29/95 09:50
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e34-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	260	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	85	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-9/36180-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	54	50 - 156

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Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-30
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-10/36181-4005B
Date/Time Sampled: 12/29/95 09:55
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e20-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/10/96
Bromomethane	BRL	100	1	01/10/96
Vinyl Chloride	BRL	20	1	01/10/96
Chloroethane	BRL	100	1	01/10/96
Methylene Chloride	BRL	250	1	01/10/96
Trichlorofluoromethane	BRL	10	1	01/10/96
1,1-Dichloroethene	BRL	10	1	01/10/96
1,1-Dichloroethane	BRL	10	1	01/10/96
cis-1,2-Dichloroethene	970	100	10	01/12/96
trans-1,2-Dichloroethene	BRL	10	1	01/10/96
Chloroform	BRL	10	1	01/10/96
1,2-Dichloroethane	BRL	10	1	01/10/96
1,1,1-Trichloroethane	BRL	10	1	01/10/96
Carbon Tetrachloride	BRL	10	1	01/10/96
Bromodichloromethane	BRL	10	1	01/10/96
1,2-Dichloropropane	BRL	10	1	01/10/96
cis-1,3-Dichloropropene	BRL	10	1	01/10/96
Trichloroethene	76	10	1	01/10/96
Dibromochloromethane	BRL	20	1	01/10/96
1,1,2-Trichloroethane	BRL	10	1	01/10/96
trans-1,3-Dichloropropene	BRL	10	1	01/10/96
Bromoform	BRL	20	1	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/10/96
Tetrachloroethene	260	10	1	01/10/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-10/36181-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/10/96
1,3-Dichlorobenzene	BRL	10	1	01/10/96
1,2-Dichlorobenzene	BRL	10	1	01/10/96
1,4-Dichlorobenzene	BRL	10	1	01/10/96
Freon 113	BRL	50	1	01/10/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	46 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-35
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-11/36182-4005B
Date/Time Sampled: 12/29/95 10:00
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e24-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	510	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	34	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	130	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-11/36182-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	46 *	50 - 156

Qualifier Legend:
* - Values outside QC limits

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Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-40
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-12/36183-4005B
Date/Time Sampled: 12/29/95 10:05
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e25-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	15	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	BRL	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-12/36183-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	58	50 - 156

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Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-45
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-13/36184-4005B
Date/Time Sampled: 12/29/95 10:14
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc10/RTX-502.2
Data File: 96010h30-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	BRL	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	BRL	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-13/36184-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	90	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-50
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-14/36185-4005B
Date/Time Sampled: 12/29/95 10:20
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc10/RTX-502.2
Data File: 96010h31-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	BRL	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	BRL	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-14/36185-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	99	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-55
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-15/36186-4005B
Date/Time Sampled: 12/29/95 10:25
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc10/RTX-502.2
Data File: 96010h32-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	BRL	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	BRL	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-15/36186-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	89	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-2-59
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-16/36187-4005B
Date/Time Sampled: 12/29/95 10:30
Matrix: Soil (S)
Batch Number: 5111
% Moisture: 0
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e26-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	100	1	01/11/96
Bromomethane	BRL	100	1	01/11/96
Vinyl Chloride	BRL	20	1	01/11/96
Chloroethane	BRL	100	1	01/11/96
Methylene Chloride	BRL	250	1	01/11/96
Trichlorofluoromethane	BRL	10	1	01/11/96
1,1-Dichloroethene	BRL	10	1	01/11/96
1,1-Dichloroethane	BRL	10	1	01/11/96
cis-1,2-Dichloroethene	BRL	10	1	01/11/96
trans-1,2-Dichloroethene	BRL	10	1	01/11/96
Chloroform	BRL	10	1	01/11/96
1,2-Dichloroethane	BRL	10	1	01/11/96
1,1,1-Trichloroethane	BRL	10	1	01/11/96
Carbon Tetrachloride	BRL	10	1	01/11/96
Bromodichloromethane	BRL	10	1	01/11/96
1,2-Dichloropropane	BRL	10	1	01/11/96
cis-1,3-Dichloropropene	BRL	10	1	01/11/96
Trichloroethene	BRL	10	1	01/11/96
Dibromochloromethane	BRL	20	1	01/11/96
1,1,2-Trichloroethane	BRL	10	1	01/11/96
trans-1,3-Dichloropropene	BRL	10	1	01/11/96
Bromoform	BRL	20	1	01/11/96
1,1,2,2-Tetrachloroethane	BRL	20	1	01/11/96
Tetrachloroethene	BRL	10	1	01/11/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-16/36187-4005B

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	10	1	01/11/96
1,3-Dichlorobenzene	BRL	10	1	01/11/96
1,2-Dichlorobenzene	BRL	10	1	01/11/96
1,4-Dichlorobenzene	BRL	10	1	01/11/96
Freon 113	BRL	50	1	01/11/96

Surrogates	% Recovery	Limits
Bromofluorobenzene	60	50 - 156

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VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Sample ID: 01/10/96 MB/37607
Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL

Lab ID: 37607-MB /4005B
Matrix: Soil
Batch Number: 5111
Instrument/Column: vgc05/RTX-502.2
Data File: 96010e10-0

Analyte	Result ug/Kg (ppb)	Reporting Limit ug/Kg (ppb)	Date Analyzed
Chloromethane	BRL	100	01/10/96
Bromomethane	BRL	100	01/10/96
Vinyl Chloride	BRL	20	01/10/96
Chloroethane	BRL	100	01/10/96
Methylene Chloride	BRL	250	01/10/96
Trichlorofluoromethane	BRL	10	01/10/96
1,1-Dichloroethene	BRL	10	01/10/96
1,1-Dichloroethane	BRL	10	01/10/96
cis-1,2-Dichloroethene	BRL	10	01/10/96
trans-1,2-Dichloroethene	BRL	10	01/10/96
Chloroform	BRL	10	01/10/96
1,2-Dichloroethane	BRL	10	01/10/96
1,1,1-Trichloroethane	BRL	10	01/10/96
Carbon Tetrachloride	BRL	10	01/10/96
Bromodichloromethane	BRL	10	01/10/96
1,2-Dichloropropane	BRL	10	01/10/96
cis-1,3-Dichloropropene	BRL	10	01/10/96
Trichloroethene	BRL	10	01/10/96
Dibromochloromethane	BRL	20	01/10/96
1,1,2-Trichloroethane	BRL	10	01/10/96
trans-1,3-Dichloropropene	BRL	10	01/10/96
Bromoform	BRL	20	01/10/96
1,1,2,2-Tetrachloroethane	BRL	20	01/10/96
Tetrachloroethene	BRL	10	01/10/96
Chlorobenzene	BRL	10	01/10/96
1,3-Dichlorobenzene	BRL	10	01/10/96
1,2-Dichlorobenzene	BRL	10	01/10/96
1,4-Dichlorobenzene	BRL	10	01/10/96
Freon 113	BRL	50	01/10/96

METHOD BLANK

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

ID: 37607-MB /4005B 1432

ɔgates	% Recovery	Limits
ıofluorobenzene	63	50 - 156

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ıerated: 01/15/96

LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Date Prepared: NA
Initial Wt./Volume: 20 grams
Final Volume: 10 mL
LCS Date Analyzed: 01/10/96

Lab ID: 37608-LS1 /4005B
Matrix: Soil Units: ug/Kg (ppb)
Batch Number: 5111
LCSD Date Analyzed: NA
Instrument/Column: /RTX-502.2
Data File: 96010e15-0

Analyte	(a) Sample Conc.	(b) Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	250	250	99	NA	NA	NA	65-120	≤25
1,1,1-Trichloroethane	0	250	240	95	NA	NA	NA	60-114	≤25
Trichloroethene	0	250	250	100	NA	NA	NA	62-138	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) LCS/ LCSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	120	62	NA	NA	50-156

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: MB-1-35
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: 20 , 20 grams
Final Volume: 10 , 10 mL
MS Date Analyzed: 01/10/96

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-3/37609,37610-4005B
Date/Time Sampled: 12/29/95 08:15
Matrix: Soil (S) Units: ug/Kg (ppb)
Batch Number: 5111
% Moisture: 0

MSD Date Analyzed: 01/10/96
Instrument/Column: /RTX-502.2
Data File: 96010e13-0, 96010e14-

Analyte	(a) Sample Conc.	(b) MS/ MSD Spike Conc.	(c) Sample + Spike Conc.	(d) Spike Rec %	(e) Sample Dup. + Spike Conc.	(f) Spike Dup. Rec %	(g) RPD %	Acceptance Limits % Rec.	Acceptance Limits RPD
1,1-Dichloroethane	0	250.	170	67	180	72	6	65-120	≤25
1,1,1-Trichloroethane	0	250	180	70	200	80	11	60-114	≤25
Trichloroethene	22	250	220	89	230	91	4	62-138	≤25

Spike Recovery = d = ((c-a)/b) x 100
Spike Duplicate Recovery = f = ((e-a)/b) x 100
Relative Percent Difference = g = (|c-e|)/((c+e) x .5) x 100

Surrogate	(h) MS/ MSD Surr. Spike Conc.	(i) Sample + Surr. Spike Conc.	(j) Surr. Spike Rec %	(k) Sample Dup. + Surr. Spike Conc.	(l) Surr. Spike Dup. Rec %	Acceptance Limits
Bromofluorobenzene	200	84	42*	89	44*	50-156

Surrogate % Recovery = j = (i-h) x 100
Surrogate Duplicate Recovery = l = (k/h) x 100

Qualifier Legend:
* - Values outside QC

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-16-96

MBT Environmental Laboratories

Master Builders Technologies

Report Generated: 01/15/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010
Preparation Method: EPA 5030

Company: McLaren/Hart
Project Name: Mobil Jalk Fee
Sample Description: NA
Sample Number: Trip Blank
Date/Time Received: 12/30/95 10:30
Date Prepared: NA
Initial Wt./Volume: NA
Final Volume: NA

SDG #: 13230
Project Number: 030601414000
Lab ID: 13230-17/36188-4005B
Date/Time Sampled: 12/29/95 07:00
Matrix: Water (W)
Batch Number: 5021

Instrument/Column: vgc10/RTX-502.2
Data File: 96009h21-0

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chloromethane	BRL	4.0	1	01/09/96
Bromomethane	BRL	4.0	1	01/09/96
Vinyl Chloride	BRL	1.0	1	01/09/96
Chloroethane	BRL	4.0	1	01/09/96
Methylene Chloride	BRL	10	1	01/09/96
Trichlorofluoromethane	BRL	0.50	1	01/09/96
1,1-Dichloroethene	BRL	0.50	1	01/09/96
1,1-Dichloroethane	BRL	0.50	1	01/09/96
cis-1,2-Dichloroethene	BRL	0.50	1	01/09/96
trans-1,2-Dichloroethene	BRL	0.50	1	01/09/96
Chloroform	BRL	0.50	1	01/09/96
1,2-Dichloroethane	BRL	0.50	1	01/09/96
1,1,1-Trichloroethane	BRL	0.50	1	01/09/96
Carbon Tetrachloride	BRL	0.50	1	01/09/96
Bromodichloromethane	BRL	0.50	1	01/09/96
1,2-Dichloropropane	BRL	0.50	1	01/09/96
cis-1,3-Dichloropropene	BRL	0.50	1	01/09/96
Trichloroethene	BRL	0.50	1	01/09/96
Dibromochloromethane	BRL	1.0	1	01/09/96
1,1,2-Trichloroethane	BRL	0.50	1	01/09/96
trans-1,3-Dichloropropene	BRL	0.50	1	01/09/96
Bromoform	BRL	1.0	1	01/09/96
1,1,2,2-Tetrachloroethane	BRL	1.0	1	01/09/96
Tetrachloroethene	BRL	0.50	1	01/09/96

VOLATILE HALOGENATED COMPOUNDS

Analytical Method: EPA 8010

Lab ID: 13230-17/36188-4005B

Analyte	Result ug/L (ppb)	Reporting Limit ug/L (ppb)	Dilution Factor	Date Analyzed
Chlorobenzene	BRL	0.50	1	01/09/96
1,3-Dichlorobenzene	BRL	0.50	1	01/09/96
1,2-Dichlorobenzene	BRL	0.50	1	01/09/96
1,4-Dichlorobenzene	BRL	0.50	1	01/09/96
Freon 113	BRL	2.0	1	01/09/96

Surrogates	% Recovery	Limits
Bromochloromethane	94	51 - 144
Orthochlorotoluene	106	80 - 120

The cover letter and enclosures are integral parts of this report.

Approved by: _____ Date: 1-12-96

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