

INDEPENDENT REMEDIAL ACTION REPORT
WEYERHAEUSER ABERDEEN SAWMILL
ABERDEEN, WASHINGTON

Prepared for
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EXECUTIVE SUMMARY

The Aberdeen Sawmill is a 47-acre site located adjacent to the Chehalis River on Weyerhaeuser property in Aberdeen, Washington. Historical practices at the site using dilute solutions of pentachlorophenol (PCP) for wood treatment in the grader building were thought to have contaminated soil and groundwater at the site. To characterize the nature and extent of the contamination, Weyerhaeuser performed independent investigations in 1990. The compounds analyzed for included PCP, semivolatile organics, metals, PCBs, and pesticides.

Based on the results of those initial investigations, PCP was determined to be the only contaminant of concern (COC) for the site. Semivolatile organics were eliminated as COCs due to their low concentrations and infrequent detections. Metals were eliminated as COC because there were no known on-site sources of the metals and there is no obvious trend or pattern in the data indicating an on-site source impacting groundwater. PCBs and pesticides were eliminated as COCs based on a review of the historical facility operations and analytical results were below detection limits.

Based on the analytical results of the investigations and historical operations at the facility, Weyerhaeuser identified the following eight potential remediation areas in and around the grader and planer buildings:

- Area 1 - Sorting area
- Area 2 - Outside ramp area and inside soil area near spray booth
- Area 3 - Area under wooden decking near old mixing room
- Area 4 - Area adjacent to the spray booth
- Area 5 - Area north of the conveyor belt
- Area 6 - West area beneath grader table
- Area 7 - East area beneath grader table
- Area 8 - Stacker area and former dip tank operation area

At the time remedial action was initiated at the site in 1990, the Washington Model Toxics Control Act (MTCA) did not exist. Initial work was conducted without an established site-specific cleanup level for PCP in soil. Following enactment of MTCA, an evaluation was performed to determine applicable cleanup levels for the site. Based on the industrial use and zoning of the site, Method C cleanup levels for soil were selected. The appropriate cleanup levels for groundwater were determined to be surface water

standards. These standards were selected because groundwater discharges to the nearby Chehalis River and groundwater is not a current source of drinking water. Furthermore, there is no viable future drinking water use at the site for the following reasons:

- Ambient, upgradient water quality is poor
- Municipal water is available at the site from the city of Aberdeen
- A water well installed in the aquifer would not meet Ecology well construction standards
- Saltwater intrusion from Grays Harbor Bay precludes the surface water from being a potential drinking water source

Based on the data from the investigations, remedial action objectives (RAOs) for the site were developed. The RAO for soil was to remove as much of the PCP-contaminated soil and wood waste in the eight areas identified as possible without compromising the structural integrity of the building. For areas where PCP contamination was left in-place, the RAO was to prevent direct contact exposure using engineering and/or institutional controls. The RAO for groundwater was to prevent PCP-contaminated groundwater from migrating to the Chehalis River at concentrations exceeding AWQC.

Based on these RAOs, Weyerhaeuser developed an approach for the site that included the following remedial actions:

- Soil excavation and landfill disposal
- Backfilling and capping excavated areas
- Process modifications and facility improvements
- Institutional controls
- Groundwater monitoring

Weyerhaeuser initiated remedial action in 1990. The soil excavation in the former spray booth and sapstain-control areas was performed in several stages from 1990 and 1993. As part of the process modifications and improvements in 1991 a new spray booth was constructed and excavation was performed during the planned facility shutdown. A total of 522 tons of soil and debris were removed from the site and transported to Chemical Waste Management's hazardous waste landfill in Arlington, Oregon. The excavated areas were backfilled with clean material and capped with a concrete and/or asphalt cover. PCP concentrations in all the confirmation samples collected in Areas 1, 4, 6, and 7 were below the Method C cleanup level. Soil samples collected at the limits of the excavation in Areas 2, 3 and 5 contained concentrations of PCP above the Method C cleanup level. Further excavation could not be performed in these areas due to severe access restraints

and concerns regarding the stability of building foundations. A deed restriction has been placed on the property due to the residual PCP-contaminated soil left in place.

As part of the remedial action program, groundwater sampling was performed between 1990 and 1993. Based on a statistical evaluation performed on the groundwater analytical data, only monitoring well D-05 consistently contained PCP concentrations above AWQC. Due to the limited aerial extent of the groundwater contamination and the lack of detection of PCP in downgradient monitoring well D-06, Weyerhaeuser determined that the PCP-contaminated groundwater was not migrating to the Chehalis River; and groundwater monitoring was discontinued.

Based on the detailed information contained in this independent remedial action program (IRAP) report, Weyerhaeuser is requesting that Ecology grant a status of "no further action" to the site.

1 INTRODUCTION

This report presents the results of the independent site investigation and cleanup actions conducted by Weyerhaeuser at its Aberdeen, Washington, sawmill in response to the discovery of pentachlorophenol (PCP) contamination in the vicinity of the planer mill, grader building and adjacent areas. The site investigation and cleanup actions described here were conducted as an independent action under the state of Washington's Model Toxic Control Act (MTCA).

This independent remedial action program (IRAP) report was prepared for Weyerhaeuser by EMCON in accordance with the MTCA requirements for reporting independent remedial actions (WAC 173-340-300[4], WAC 173-340-450 [4] and WAC 173-340-450 [8]). The report is formatted to generally follow the outline suggested in the Department of Ecology's "Guidance on Preparing Remedial Action Reports under MTCA."

2 SITE BACKGROUND

2.1 Site Description

The Aberdeen sawmill is a 47-acre site located at 500 North Custer Street in the south section of Aberdeen, Washington (Figure 1). The site is on the south shore of the Chehalis River, upstream of Grays Harbor. It is in the northeast quarter of the southeast quarter of section 9, township 17 north, range 9 west, Willamette Meridian. The site is further identified by its position at approximately 46° 58' 15" latitude and 123° 48' 00" longitude. Shannon Slough is east of the sawmill facility and the Chehalis River borders the site to the north.

The site has been owned and operated by the Weyerhaeuser Company (corporate headquarters, Tacoma, Washington) since 1955. The mill is managed by Bob Andrews (360 538-1033). Site environmental matters are managed by Helen Bond at Weyerhaeuser's Aberdeen Sawmill, Aberdeen, Washington 98520 (360 538-2610).

This IRAP report was prepared specifically for the area comprising the grading, planing, and sorting buildings (Figure 2). A completed IRAP summary form is provided in Appendix A.

2.2 Site History and Land Use

A shingle and lath mill was built at the Aberdeen property in 1925 by the Schafer Brothers. The mill was modified for lumber production in 1948. Weyerhaeuser purchased the property and operations from the Schafer Brothers in 1955. Under Weyerhaeuser's ownership, the facility has been used for lumber production from 1955 to the present. Additional modifications to the mill's lumber-handling procedures have occurred over the past 40 years. The site is currently zoned industrial (I) by the City of Aberdeen.

2.3 Initial Site Investigations

As noted in Section 1, the initial investigative work at the site (i.e., the sapstain application area in the planer mill, grader building, and adjacent areas) was in response to independent site investigations and cleanup actions by Weyerhaeuser. Because the site investigation and

cleanup actions at the site consist of a series of overlapping phases, there is no clear distinction between the investigative and remedial phases of the project. For purposes of this report, only the soil investigations conducted before the first cleanup action in July 1990 and the first round of groundwater sampling are described in this section. Subsequent soil and groundwater data are described in Section 5 (nature and extent of contamination and affected media), Section 7 (independent remedial actions performed), and Section 8 (compliance monitoring requirements).

Four separate soil and groundwater investigations were conducted in the planer building, in October 1989 and in May through August 1990. The following sections describe the investigations and the findings.

2.3.1 1989 Investigation

The first soil sampling related to potential releases of chemicals (i.e., PCP and NP-1) applied to control sapstain (discoloring wood fungus) was conducted on October 15, 1989, next to the mixing room and spray booth area in the planer building (Figure 2). The purpose of the investigation was to determine if a release had occurred to surface soils. Nine grab and composite surface soil samples were collected and analyzed for semivolatile organics using USEPA Method 8270. Concentrations of PCP were detected from 3 to 750 milligrams per kilogram (mg/kg) near the former spray booth and mixing room. For purposes of potential waste characterization and disposal, several samples were also analyzed using the EP toxicity test and a fish bioassay. The laboratory results indicated that no samples exceeded the EP toxicity metals maximum concentration limit and that seven of the nine samples failed the fish bioassay test. The sampling locations and laboratory results are shown in Figure B-1 (Appendix B). The soil sampling laboratory results are presented in Appendix C.

2.3.2 1990 Investigations

On the basis of the results of the October 1989 sampling, additional surface soil and sawdust sampling was performed on May 24, 1990, in the grader building north of the conveyer belt and in the stacker area. Five samples were collected and analyzed for semivolatile organics. Fish bioassays were also run on five samples. Concentrations of PCP were detected in the soil samples ranging from 3.9 to 120 mg/kg. Four of the five samples failed the fish bioassay test. The sampling locations and laboratory results are shown in Figure B-2 (Appendix B).

On May 24 and 25, 1990, Dalton, Olmsted & Fugelevand, Inc., installed five monitoring wells (D-01 through D-05) at locations around the grading, planing, and sorting buildings (see Figure 2). The wells were installed using a hollow-stem auger. The purpose of the groundwater investigation was to evaluate whether NP 1, PCP, or other wood-treating

chemicals had impacted groundwater at the site. Soil samples were collected from the borings during well installation and analyzed for semivolatile organics by USEPA Method 8270. PCP was detected in soil from boring D-05 at 14.5 to 16 feet below the ground surface (bgs) at concentrations ranging from below the method detection limit to 1.9 mg/kg. PCP was not detected in soil samples from borings D-01 through D-04e. ~~Bis(2-ethylhexyl) phthalate was detected in soil samples collected from each boring and in the laboratory blank, at concentrations ranging from nondetect to 540 mg/kg. The concentrations of bis(2-ethylhexyl) phthalate probably represent laboratory contamination.~~ Other semivolatile organic compounds were detected, but at low concentrations, including 4-methylphenol, bis (2-chloroisopropyl) ether, benzoic acid, naphthalene, 2-methylnaphthalene, phenanthrene, anthracene, di-n-butylphthalate, fluoranthene, pyrene, benzo(a)anthracene, and di-n octyl phthalate.

Groundwater samples were collected from the five monitoring wells on May 25 and 28, 1990, and August 15, 1990, and analyzed for semivolatile organics (see Table 1). PCP was detected in monitoring well D-05 at concentrations ranging from 5,800 to 6,900 micrograms per liter ($\mu\text{g/L}$). PCP was detected in monitoring well D-02 only during the May 1990 sampling, at a concentration of 83 $\mu\text{g/L}$. PCP was detected at low levels in monitoring well D-04e, with concentrations estimated from 6 to 24 $\mu\text{g/L}$. PCP was not detected in monitoring wells D-01 or D-03 during either sampling round. Other semivolatile organic compounds including phenol, 2-chlorophenol, 4-methylphenol, 2,4-dimethylphenol, benzoic acid, 2,4-dichlorophenol, 1,2,4-trichlorobenzene, naphthalene, 4-chloro-3-methylphenol, 2-methylnaphthalene, 2,4,6-trichlorophenol, 2,4,5-trichlorophenol, 4-nitrophenol, 4,6-dinitro-2-methylphenol and bis (2-ethylhexyl) phthalate were also detected, but at low concentrations (Table 1). The groundwater sampling field parameters and laboratory results are presented in Appendix D.

An additional soil investigation was performed in July 1990 to further characterize the extent of PCP concentrations in the surface debris and in sawdust and subsurface soils in the grader building area. A total of 23 grab and composite samples was collected and analyzed for semivolatile organics, the EP toxicity test, and a fish bioassay. Concentrations of PCP in the soil ranged from 11 to 25,000 mg/kg from 2 to 6 feet bgs. The highest concentrations of PCP were found in the outside ramp area north of monitoring well D-05 and the inside soil area near the spray booth. Sampling locations and analytical results are shown in Figure B-3 (Appendix B).

On August 30, 1990, four additional monitoring wells (D-06 through D-09) were installed by Dalton, Olmsted & Fugelevand, Inc. (Figure 2). The purpose of the additional wells was to further characterize the direction of groundwater flow and the extent of semivolatiles in groundwater. Soil samples collected from the borings were analyzed for semivolatile organics. PCP was not detected. Other semivolatile organic compounds (2-methylnaphthalene, phenanthrene, bis (2-ethylhexyl) phthalate and di-n octyl phthalate) were detected at low concentrations.

Groundwater samples were collected from wells D-06 through D-09 on September 13, 1990, and analyzed for semivolatile organics. PCP was not detected in the groundwater samples. Phenol and 4-methylphenol were detected in monitoring wells D-07 through D-09 at low concentrations. Naphthalene, benzoic acid, and 2-methylnaphthalene were also detected in monitoring well D-09, but at low concentrations.

3 ENVIRONMENTAL SETTING

3.1 Climate

The Aberdeen area has a temperate marine climate, featuring cool, wet winters and cool, dry summers. The Pacific Ocean moderates the temperature and provides a vast supply of moisture for storms that move inland from the west to east. The average annual precipitation is approximately 208 centimeters (85 inches) per year (NOAA, 1993). Data were collected from the weather station in Aberdeen, Washington, at an elevation of 3.01 meters (10 feet) above mean sea level. The distribution of precipitation varies during a typical year, with most of the annual precipitation occurring from October through March. Prevailing winds are from the south or southwest during the wet season and from the northwest during the summer.

Temperatures are moderate throughout the year. The average monthly temperature ranges from 4.7° C (40.5° F) in January to 16.7° C (62.1° F) in July (NOAA, 1993). In the winter, average temperatures range from 0.5° C (32.9° F) to 5.5° C (41.9° F) and in the summer, from 15.6° C (60.1° F) to 21.7° C (71.1° F) (Pringle, 1986).

3.2 Surface Water Hydrology

The lower Chehalis River valley is a broad, low-gradient, east-west-trending valley. Prominent surface water features include the Chehalis River; the Wishkah River, which enters the Chehalis River across the river from the site; Grays Harbor, immediately downstream of the site; and the Hoquiam River, discharging to Grays Harbor, about 4 miles west of the site. The Chehalis River borders the site to the north. Other nearby surface water bodies include Shannon Slough, east of the sawmill.

3.3 Geology and Hydrogeology

3.3.1 Regional Geology

The site is on the southern bank of the Chehalis River, upstream of Grays Harbor. Geologic deposits in the lower Chehalis River valley include up to 300 feet of

unconsolidated fill and alluvial, landslide, marine, and glacial sediments overlying bedrock (Eddy, 1966; Molenaar, Grimstad, and Walters, 1980; Logan, 1987). The alluvial, landslide, marine, and glacial sediments were deposited during the Pleistocene and Holocene epochs. Bedrock was deposited in the Miocene epoch.

Fill consists of sediments dredged from the river or bay, imported materials, wood debris, and landslide materials. The alluvium consists of silt, sand, and gravel deposited in streambeds and alluvial fans. The landslide deposits contain rock, soil, and organic fragments deposited by mass wasting. Marine sediments are composed of silt, sand, and gravel found in uplifted terraces along the valley walls. Glacial deposits consist primarily of stratified sand and gravel deposited in streams downgradient of the glacier. Found at depth within the valley and in the hills surrounding the valley, bedrock is primarily composed of silty sandstone, with lesser amounts of conglomerate and siltstone.

3.3.2 Site Geology

The site subsurface soil types were evaluated by drilling nine soil borings, conducting surface sampling, and excavating soil during remediation. The borings were advanced in May and August 1990 and completed as shallow monitoring wells, as described in Section 2.3 (Figure 2). McDonald Holt, Inc., of Puyallup, Washington, performed the drilling and soil sampling using a truck-mounted hollow-stem auger drilling rig. The borings were advanced to a maximum depth of 16 feet bgs at boring D-05. As borings were advanced, soil samples were collected and classified according to American Society of Testing and Materials (ASTM) D-2488. Geologic logs of borings advanced during the investigation are presented in Appendix E.

Historical photos of the mill site indicate that most of the mill was constructed on fill extended from the old shoreline of the Chehalis River. The boring logs for monitoring wells D-01 through D-09 show that the fill thickness increases toward the shoreline. The site is generally underlain by four soil types: gravel, sand, wood waste, and silt. Much of the site is paved with asphaltic concrete and is underlain by 1 to 2 feet of sandy gravel. Wood fill consisting of large pieces of intact wood, as well as smaller wood fragments, underlies the sand in four borings (D-05, D-07, D-08 and D-09). Wood waste was probably used as fill as the property was extended. A silt layer, containing some organics and some wood debris near the top of the unit, was encountered beneath the sand or the wood in several borings (D-02, D-03, D-04e, and D-05). Silt was not encountered in the other five borings, since they were only 9-feet deep and did not extend far enough to encounter the silt unit. The hydraulic conductivity of the silt unit is probably significantly less than that of the sand or wood waste units.

3.3.3 Regional Hydrogeology

Groundwater in the lower Chehalis River valley is found locally in all the previously mentioned geologic units. Productive aquifers occur in the alluvial and glacial deposits. Bedrock wells do not generally yield significant quantities of groundwater. Two main alluvial aquifers exist within the valley, one at a depth of less than 100 feet and one at a depth of greater than 100 feet. Wells within the alluvial aquifers yield up to 3,000 gallons per minute (gpm). The municipality of Aberdeen obtains drinking water from reservoirs north of the city (Anderson, 1995).

A statewide groundwater quality assessment prepared by the Washington Department of Ecology (Ecology, 1988) indicates that groundwater quality is poor within Grays Harbor County. Locally, contaminants in groundwater include heavy metals, solvents, chlorides, coliform, and total dissolved solids. Naturally occurring iron and sulfur constituents, saltwater intrusion, on-site sewage disposal, urbanization, industrial activity, and landfill disposal all contribute to groundwater degradation. In addition, frequent historical flooding in the floodplain of the Grays Harbor estuary or tidal influences on the area's rivers also negatively impact shallow groundwater quality.

3.3.4 Site Hydrogeology

Groundwater levels were measured at the site from two to four times per year between 1990 and 1993. Depth to groundwater ranged from 1.83 to 5.58 feet (see Appendix D). On the basis of measurements from reference points surveyed to the mean lower low-water datum, groundwater elevations during this period varied from 9.01 to 11.23 feet. Groundwater elevations were highest in the southeastern part of the site (at D-03) and relatively level across the rest of the site.

A tidal response study was conducted from March 29 to April 1, 1996, to determine the potential influence of river fluctuations on groundwater levels at the site (Appendix F). Eight monitoring wells and one point in the Chehalis River were monitored. Table 2 presents the tidal study results. Figure 3 shows the mean groundwater elevation at each monitored location during a tidal day early in the study. The elevation was highest in the southeastern part of the facility, was relatively even across the rest of the monitored facility, and was lowest at the river. Although the groundwater gradient beneath the monitored portion of the facility was relatively flat, the inferred groundwater flow direction is toward the river. The groundwater gradient beneath the monitored portion of the facility was about 0.003 feet/foot, and the groundwater gradient between the monitored portion of the facility and the river was about 0.015 feet/foot.

4 HAZARDOUS SUBSTANCE MANAGEMENT AND HANDLING PRACTICES

4.1 Hazardous Substance Identification and Quantities Related to Independent Remedial Action

Two different wood-treatment chemicals have been used over time at the planer mill: a sodium pentachlorophenate solution, and a dilute NP-1 solution. Sodium pentachlorophenate was used in the planer mill for antistain control of the lumber before 1986. Because sodium pentachlorophenate hydrolyzes to form PCP, both sodium pentachlorophenate and PCP will be referred to as PCP in the remainder of this report. The date PCP was first used is unknown. PCP releases at the facility are believed to be associated with spray booth and dip tank operations from the 1960s to the mid-1980s.

During the course of site operations, some quantity of chemicals may have been released to the environment. The quantity is unknown, since no specific spills or releases have been reported. Releases were probably caused by excess drippage from lumber after it left the spray booth. The lumber was transported from the spray booth on a chain belt conveyor. There was also reportedly a dip tank operation south of the grader areas that used PCP (years of operation unknown).

In November 1986, the mill began using a dilute solution (300:1 to 100:1) of NP-1 to control sapstain and mold on lumber. The NP-1 application area was located at the north end of the planer building. Judging from the material safety data sheet (MSDS) prepared by VWR, Inc., the composition of NP-1 was reported to be less than 65 percent didecyl dimethyl ammonium chloride, less than 20 percent iodopropanyl butyl carbomate, less than 5 percent petroleum naphtha, less than 10 percent ethanol, and less than 5 percent dimethyl sulfoxide.

4.2 On-site Treatment, Storage, and Disposal Related to Independent Remedial Action

4.2.1 Hazardous Substance Storage Tanks

Wood-treating chemicals (PCP and NP-1) were stored in several drums and containers in the mixing room and spray booth. PCP was also stored in an aboveground tank (approximately 500-gallon capacity) in the old hula trimmer area (see Figure 2).

4.2.2 Hazardous Waste Treatment Facilities On-site

There are no records or indications of present or former hazardous waste treatment facilities on site. Wastes were stored, but not treated, on the site.

4.2.3 Measures Taken to Contain Hazardous Substances or Wastes

The original mixing room and spray booth were demolished in 1991, leaving only the concrete floor. A new spray booth was then constructed, which included secondary containment.

4.2.4 Off-Site Sources

No hazardous substances from off-site sources have been treated, stored, or disposed of on-site.

5 NATURE AND EXTENT OF CONTAMINATION AND MEDIA AFFECTED

5.1 Documentation of Spills or Releases

There are no records of any spills or releases of sapstain-control chemicals at the planer mill. Surface and subsurface impacts probably result from multiple small leaks and spills during application operations over time.

5.2 Contaminants of Concern

The purpose of identifying the contaminants of concern (COCs) was to establish the basis for initiating cleanup actions at the site. On the basis of historical and current uses of sapstain control chemicals in the grader building, the potential COCs were PCP, NP-1, and other related semivolatile organics (e.g., trichlorophenols). Other compounds included in the groundwater sampling program were metals, pesticides, and polychlorinated biphenyls (PCBs). Samples were analyzed for phenols and semivolatile organics using USEPA Methods 8040 ([phenols by gas chromatography [GC]) and 8270 (semivolatile organics by gas chromatography/mass spectroscopy [GC/MS]), and for PCP by GC with an electron capture detector (GC/ECD). Additional analyses included pesticides, PCBs, and total and dissolved metals. Laboratory reports are found in Appendix D. The laboratory results are also presented in a database file in Appendix H.

Section 5.2.1 describes the screening process used to determine COCs for the site.

5.2.1 Screening of Potential COCs

PCP. PCP was used as a wood-treatment chemical for antistain control of the lumber at the facility from the 1960s to the mid-1980s. Soil and groundwater samples collected in 1990 were analyzed for semivolatile organics, with PCP detected in both media above potential cleanup levels (see Section 6.1). Therefore, PCP was determined to be a COC for the site.

NP-1. NP-1 has been used to control sapstain on milled lumber at the facility since 1986. NP-1 contains the constituents specified in Section 4.1, including naphthalene. Soil and

groundwater samples collected in 1990 were analyzed for semivolatile organics, with naphthalene detected at levels well below potential cleanup standards. At another Weyerhaeuser facility where NP-1 was used, Ecology had requested information concerning the characteristics of NP-1. Weyerhaeuser supplied information including the MSDS for NP-1, toxicity data, biological degradation data, and chemical leaching properties. After evaluating these data, Weyerhaeuser and Ecology determined that NP-1 was not a COC for the site. A copy of the MSDS for NP-1 is included in Appendix G.

Because the composition, characteristics, and use of NP-1 (application to milled lumber) at the Weyerhaeuser Aberdeen site are the same as at the other Weyerhaeuser facility, NP-1 was eliminated as a COC for this site.

Other Semivolatile Organics. Other related semivolatile organics (e.g., trichlorophenols) were detected at low concentrations in both soil and groundwater during the 1990 investigation. These compounds were determined not to be COCs for this site, because of their low concentrations and infrequent detection.

Metals. Total and dissolved concentrations of arsenic and mercury were above potential cleanup standards in groundwater samples collected in 1992 and 1993 (see Section 6.1). Tables 3 and 4 compare the total and dissolved metals in groundwater for downgradient monitoring well D-06 and cross-gradient monitoring well D-08. Comparing the values shows that dissolved metals concentrations are typically much lower than the total metals concentrations. Dissolved metals concentrations are more appropriate for use at the site because of the high turbidity of the groundwater samples. For example, the dissolved metals concentration of arsenic in D-06 was less than 3 $\mu\text{g/L}$, compared with a total metals concentration of 5 $\mu\text{g/L}$. For mercury, the dissolved metals concentration was less than 0.02 $\mu\text{g/L}$, compared with a total metals concentration of 0.4 $\mu\text{g/L}$.

A review of the historical operation of the facility did not identify any potential on-site source for these metals. There is also no obvious pattern or trend in the analytical data to suggest that an on-site source of these metals is impacting the groundwater. Concentrations of these metals in the downgradient monitoring wells are not significantly different from concentrations in other wells. On the basis of this evaluation, none of these metals were identified as COCs for this site.

PCBs and pesticides. PCBs and pesticides were not suspected as COCs for the site from a review of historical operations. Analytical results for samples analyzed for PCBs and pesticides were below detection limits. On the basis of these findings, these compounds were eliminated as COCs for the site.

5.2.2 Summary of COCs

From the evaluation in Section 5.2.1, the only COC at the site (both in soil and groundwater) is PCP.

5.3 Nature and Extent of Contamination

5.3.1 Soil

Several soil samples analyzed in 1989 and 1990 exceeded cleanup standards for PCP. After an evaluation of the analytical data and historical operations at the planer, Weyerhaeuser identified potential remediation areas (see Figure 4):

- **Area 1 - Sorting area.** Area 1 was defined as the sorting area near the former cherry brown¹ application area and former sapstain chemical mixing room. According to available information, cherry brown does not contain hazardous substances. The area was also adjacent to the spray booth. Potential PCP in the subsurface soils may have resulted from minor spills. This area is approximately 20-feet wide by 20-feet long.
- **Area 2 - Outside ramp area and inside soil area near spray booth.** Area 2 was defined as the outside ramp and inside soil area closest to the spray booth. It covers an area approximately 25-feet wide by 50-feet long. Area 2 was the location of the former spray booth operation before 1988. Surface soil staining under the former ramp indicated that spills had occurred in this area.
- **Area 3 - Area under wooden decking near old mixing room.** Area 3 was defined as the area under the wooden decking near the former mixing room. Mixed product storage and product recovery tanks were located in Area 3. It covers an area approximately 25-feet wide by 35-feet long. Minor spills may have occurred in this area.
- **Area 4 - Area adjacent to spray booth.** Area 4 was defined as a small area of soil next to the spray booth. It covers an area approximately 15-feet wide by 25-feet long. Minor spills may have occurred in this area.
- **Area 5 - Area north of conveyor belt.** Area 5 was defined as the area north of the conveyor belt. Minor spillage and drippage from the spray booth may have

¹ "Cherry Brown" is a latex-based coloring agent that was used historically north of the mixing room.

occurred in this area. It covers an area approximately 10-feet wide by 10-feet long.

- **Area 6 - West area beneath grader table.** Area 6 was defined as the western half of the area beneath the grader table. It covers an area approximately 20-feet wide by 50-feet long. Potential PCP contamination in this area was expected to be limited to 3 to 6 inches of sawdust and other debris that had accumulated over time below the grader table.
- **Area 7 - East area beneath grader table.** Area 7 was defined as the eastern half of the area beneath the grader table. It is also approximately 20-feet wide by 50-feet long. The only concern was sawdust that had accumulated below the grader table.
- **Area 8 - Stacker area and former dip tank operation area.** Area 8 was specified as the old trimmer outfeed and former dip tank operation area. The specific boundaries of this area were not defined but were estimated at approximately 10-feet wide by 20-feet long. Impacted subsurface soils associated with the former dip tank operation were suspected in this area.

5.3.2 Groundwater

Groundwater samples were collected from five monitoring wells (D-01 through D-05) in May and August 1990 and four additional monitoring wells (D-06 through D-09) in September 1990. Monitoring wells D-01, D-02, D-03, and D-08, located south to southeast of the grader building, were considered to represent background (upgradient) water quality. Monitoring well D-05 was considered to represent groundwater quality in the impacted area. Monitoring wells D-04e, D-07 and D-09 represent groundwater quality cross-gradient of the impacted area, while monitoring well D-06 represents downgradient water quality.

PCP was detected in monitoring well D-05, next to the grader building, at concentrations ranging from 1,300 to 9,990 $\mu\text{g/L}$ during sampling between 1990 and 1993. PCP was detected in monitoring well D-04e during the May 1990 sampling at a concentration of 24 $\mu\text{g/L}$, and in the August 1990 sampling at a concentration of 6 $\mu\text{g/L}$. All sampling conducted in 1992 and 1993 did not detect PCP in this well. PCP was detected only once in monitoring well D-02, in May 1990 at a concentration of 83 $\mu\text{g/L}$. PCP was detected only once in monitoring well D-08, in July 1992 at a concentration of 1.3 $\mu\text{g/L}$. PCP has not been detected in monitoring wells D-01, D-03, D-06, D-07, or D-09. Other chlorophenols have been detected sporadically. Section 8 describes a statistical analysis using the PCP and other chlorophenol groundwater data for the monitoring wells. PCP is

shown to be the only compound that exceeds cleanup levels, and its presence in groundwater at elevated concentrations is generally localized near monitoring well D-05.

6 SELECTION OF CLEANUP STANDARDS

6.1 Cleanup Levels

This section describes the three methods for establishing cleanup levels under MTCA, the rationale for selecting one of the methods, and the cleanup levels selected for soil and groundwater at the site.

6.1.1 Types of Cleanup Levels

MTCA provides three methods for determining cleanup levels, as described briefly below.

Method A. Method A applies to sites undergoing routine cleanup actions, or to sites where numerical standards are available for all hazardous substances in all media of concern. Predetermined cleanup levels are provided for approximately 25 chemicals in tables in MTCA. These cleanup levels are easy to use, but are often extremely conservative. Method A applies only to relatively simple, routine sites (e.g., gas stations). Method A cleanup levels have been developed for both residential and industrial exposure scenarios.

Method B. Method B is the standard approach applicable to all sites. Cleanup levels are determined according to equations provided in the regulation and using the most current toxicity data in the USEPA's Integrated Risk Information System (IRIS) database. The cleanup levels for soil are calculated assuming incidental ingestion of contaminated soil by a young child; this represents a conservative scenario for an industrial site.

Cleanup levels for groundwater generally assume drinking water as the beneficial use, unless the following criteria are met to demonstrate that the aquifer is not potable:

- Groundwater is not a current source of drinking water.
- Groundwater is not a potential future source of drinking water (because of, e.g., insufficient yield, natural background contamination, or technically impossible recovery).

- It is unlikely that contaminants will be transported to an aquifer that is or could be used for drinking water.

Ecology determines non-drinking-water-based groundwater cleanup levels for sites on a case-by-case basis.

Method C. Method C applies in cases where land use meets the criteria for classification as industrial, in other special cases where Method A or B cleanup levels are below area background concentrations, or in cases where Method A or B cleanup levels are not technically possible to achieve. As with Method B, cleanup levels are calculated by using equations provided in the regulation and by using the most current toxicity data in the USEPA's IRIS database. The equations use less conservative assumptions and in some cases allow higher risk levels than Method B. Institutional controls (e.g., site fence, deed restrictions) are generally required when Method C cleanup levels are used.

6.1.2 Selection of Cleanup Levels

Method A is not appropriate for the site because it is not a "routine" site and because there are no Method A cleanup levels for PCP, the only COC at the site. The decision whether to use Method B or Method C cleanup levels is based primarily on whether the site is defined as "industrial." The definition is found in WAC 173-340-745a(b). The Aberdeen sawmill property is currently zoned industrial (I) by the city of Aberdeen. The site is currently used for industrial purposes and has over a 70-year history of wood product and lumber production activities. Weyerhaeuser intends to use the site for industrial purposes in the foreseeable future. Institutional controls will be implemented as part of the remedial action. Because the site meets all the criteria for an industrial site as described above, Method C will be the method used to determine cleanup levels for soil.

6.1.3 Cleanup Levels for Soil

As described in Section 5.2, PCP was identified as the only COC for soil. No other chemicals were detected in soil at concentrations above Method C cleanup levels. The MTCA Method C soil cleanup level for PCP is 1,090 mg/kg.

6.1.4 Cleanup Levels for Groundwater

The cleanup levels for groundwater depend on whether the groundwater is an actual or potential future source of drinking water. There is no current use of the groundwater in the area. There is no viable future drinking water use of the groundwater, for the following reasons:

- Ambient, upgradient water quality is poor
- Municipal water is available at the site from the city of Aberdeen
- The property will continue to be used for industrial purposes in the foreseeable future
- A water well installed in the aquifer would not meet Ecology well construction standards (WAC 173-160-265)
- Saltwater intrusion from Grays Harbor Bay precludes the water from being a potential drinking water source

Because the groundwater is not a current or potential future source of drinking water, an alternate basis for establishing cleanup levels must be used. The groundwater discharges to the adjacent Chehalis River. Therefore, protection of the surface water was selected as an appropriate goal for identifying groundwater cleanup levels. Applicable requirements for protection of surface water are state surface water quality standards and federal ambient water quality criteria (AWQC) for protection of human health and aquatic organisms. AWQC are established for both marine and freshwater environments and are based on consumption of aquatic organisms only, or consumption of organisms plus drinking water. Because the Chehalis River is brackish and is not used for drinking water purposes, groundwater cleanup levels were established using AWQC for consumption of organisms, only.

As described in Section 5.2, PCP is the only COC for groundwater. The AWQC for PCP based on consumption of organisms only is 8.2 µg/L. PCP concentrations above marine AWQC were detected in groundwater samples collected from monitoring well D-05. PCP was detected in a groundwater sample collected from monitoring well D-02 on May 25, 1990, were above the AWQC. PCP was detected in well D-04e above the AWQC on May 28, 1990. PCP concentrations in groundwater samples collected from wells D-01, D-03, D-06, D-07, D-08, and D-09 have always been below the AWQC.

6.1.5 Point of Compliance

The point of compliance refers to the point or points where cleanup levels are attained. For soil, the point of compliance is generally the soil throughout the site, from the surface to the shallow water table. The point of compliance for the grader building would be the limits of the excavations. The point of compliance for groundwater is the Chehalis River.

6.2 Federal, State and Local Regulatory Requirements

6.2.1 Regulatory Requirements

Under MTCA (WAC 173-340-710), remedial actions in the state must comply with applicable federal and state laws. This section identifies federal, state, and local requirements that may apply during the implementation of remedial actions. The primary requirements considered potentially applicable to this site are listed below and summarized in Table 5 (state and local) and Table 6 (federal).

6.2.2 State and Local Requirements

The state and local requirements listed below may apply to the site.

Groundwater Quality

- MTCA groundwater cleanup standards (WAC 173-340-720)
- Public water system rules and regulation (Chapter 248-54 WAC)

Soil Quality

- MTCA soil cleanup standards (WAC 173-340-740)

Well Construction

- Minimum standards for construction and maintenance of wells (Chapter 173-160 WAC)

Surface Water

- Water quality standards for surface waters of the state (Chapter 173-201A WAC)

Dangerous Waste

- Dangerous waste regulations (Chapter 173-303 WAC)

Management of Extracted Groundwater

- Local publicly owned treatment works (POTW) discharge requirements
- Washington Water Pollution Control Act (RCW 90.48 and RCW 90.54)

- State NPDES permitting regulations (Chapter 173-220 WAC)

Health and Safety

- WISHA (WAC 296-62-300)

6.2.3 Federal Requirements

The following federal requirements may apply to this site:

Hazardous Waste Identification

- Hazardous Waste Toxicity Characteristic (40 CFR 261.24) under RCRA

Hazardous Waste Disposal

- Land Disposal - RCRA (40 CFR Part 268)

Surface Water

- AWQC

Management of Extracted Groundwater

- Discharge to surface water under NPDES permit - Clean Water Act (CWA) (40 CFR Parts 122-125)
- Discharge to POTWs - Section 307 of CWA (40 CFR Part 403)

Implementation of Remedial Action

- Occupational Safety and Health Act (OSHA; 29 CFR 1910.120)

6.3 Remedial Action Objectives

On the basis of the data generated by the field investigations and the evaluation of applicable cleanup standards under MTCA, the following conclusions were drawn regarding the need for remedial action at the site. All cleanup actions must meet the following threshold requirements under WAC 173-340-360(2):

- Protect human health and the environment.
- Comply with cleanup standards (WAC 173-340-700 through 173-340-760).

- Comply with applicable state and federal laws (WAC 173-340-710).
- Provide for compliance monitoring (WAC 173-340-410).

Specific remedial action objectives (RAOs) for soil and groundwater are described below.

6.3.1 Soil

The RAO for soil was to remove as much of the PCP-contaminated soil and wood waste as possible in the eight areas identified, without compromising the integrity of existing structures. For areas where soil left in place has concentrations of PCP exceeding the Method C cleanup level, the RAO was to prevent direct contact exposure using engineering and/or institutional controls.

6.3.2 Groundwater

The RAO for groundwater was to ensure that PCP-contaminated groundwater did not migrate from the source area and discharge to the Chehalis River at concentrations exceeding AWQC.

7 INDEPENDENT REMEDIAL ACTIONS PERFORMED

7.1 Rationale for Selected Remedial Action

On the basis of the nature and extent of contamination identified in Section 5, Weyerhaeuser selected the following remedial actions to satisfy the RAOs defined in Section 6.3:

- Soil excavation and landfill disposal
- Capping
- Process modifications and facility improvements
- Institutional controls
- Groundwater monitoring

The rationale for selecting the actions is described below.

Soil Excavation and Landfill Disposal. The initial site investigations suggested that the depth of the contaminated soil was shallow, ranging from the surface to approximately 6 feet bgs. The wood fill underlying the suspected release site(s) was believed to have collected much of the PCP released to the subsurface; PCP has a high octanol partitioning coefficient (K_{oc}), giving it a strong tendency to adsorb to organic material such as wood. Therefore, it was suspected that the high volume of wood waste in the fill material probably absorbed most of the PCP, thereby limiting its migration. Excavation of the contaminated material and off-site disposal of the waste was therefore selected as part of the remedial action.

Capping. Capping of the areas with soil, asphalt, or concrete was selected as part of the remedial action because the cap would prevent potential direct contact with any residual PCP concentrations.

Process Modifications and Facility Improvements. Construction of a new mixing room and spray booth planned for the grader building would allow further excavation of the PCP-impacted soil and debris. Use of PCP to control sapstain was discontinued in 1986.

Institutional Controls. Institutional controls can be implemented as part of a remedial action plan using Method C cleanup levels. For this site, institutional controls will include a deed restriction prohibiting the use of the shallow aquifer.

Groundwater Monitoring. Groundwater monitoring was selected as part of the remedial action on the basis of the groundwater laboratory results. Groundwater sampling indicated concentrations of PCP above the AWQC in one of the nine monitoring wells (D-05). Groundwater monitoring would effectively evaluate whether PCP concentrations in groundwater were increasing over time, or whether PCP was migrating toward the Chehalis River.

Weyerhaeuser evaluated other remedial alternatives, which included in situ bioremediation of PCP under methanogenic conditions. This alternative was ruled out because of site-specific conditions. The amount of PCP-contaminated soil was thought to be too small, judging from the initial site investigations, to justify the time and expense of implementing a technically complex solution such as in situ bioremediation. Excavation and off-site disposal were determined to be the most timely and cost-effective solution. It was also thought that excavation would effectively remove the source of PCP contamination. Site access limitations and production impacts were included in the evaluation.

7.2 Description of Independent Remedial Actions

From the initial site investigations described in Section 2.3, PCP was known to be present in subsurface soils in the vicinity of the planer building. Although the exact extent of soil contamination was not known, Weyerhaeuser decided to proceed with soil excavation in the known areas of concern, and to conduct additional excavation, as required, on the basis of the results of confirmation soil sampling.

Weyerhaeuser removed soil from the former spray booth and sapstain-control areas in several stages between 1990 and 1993. Each stage consisted of excavating an area followed by confirmation soil sampling. Most excavation used a small backhoe or Super Sucker™ vacuum truck. In some areas with limited access (such as Area 8), it was necessary to excavate the soil or wood waste by hand. The amount of excavation in most areas was limited by severe access constraints, concerns about the integrity of the building foundations, or both. No permits were required for the remedial action.

The following briefly describes the sequence of events in removing the contaminated fill. The sequential sampling and excavation diagrams referred to in the text are found in Appendix B. Table 7 summarizes the sequence of sampling and excavation.

7.2.1 1990 Soil Excavation and Confirmation Sampling

Remedial action began in July 1990 to clean up surface soils and debris in the former PCP-usage areas. Excavation of contaminated soil and wood debris was performed in Areas 1, 2, 3, 4, 6, 7, and 8, where the current or former spray booths and dip tank were located (see Figure B-4, Appendix B). Surface soils and sawdust were removed by hand or with the vacuum truck. A total of 262 tons of contaminated soil and debris was removed from the site and disposed of as dangerous waste at Chemical Waste Management's hazardous waste landfill in Arlington, Oregon. The extent of the excavation in some areas was limited by the presence of large pieces of process equipment, building foundations, and the shallow groundwater table.

Following this first stage of excavation, confirmation sampling was performed on July 20, August 15, and September 7, 1990. Soil samples were collected from 1 to 4 feet bgs and analyzed for PCP. The concentrations of PCP ranged from 3.4 to 8,600 mg/kg. Confirmation soil sampling results are shown in Figures B-4 and B-5 (Appendix B).

7.2.2 1991 Soil Excavation and Confirmation Sampling

A new spray booth and mixing room were scheduled for construction in the summer of 1991 during a planned facility shutdown. Supplemental soil sampling of Areas 2, 3, 4, 5, 7, and 8 was performed on May 30, 1991, to further evaluate the extent of the PCP contamination (Figure B-6). A total of 17 surface and subsurface samples was collected and analyzed for PCP. On the basis of the laboratory results, Weyerhaeuser determined that a significant area of soil contamination existed southwest of the current spray booth, in the location identified as Area 2. Concentrations of PCP in soil samples in Area 2 ranged from 11 to 10,000 mg/kg.

Excavation of contaminated debris and soil was performed in August 1991 in Areas 1, 2, 5, 6, 7, and 8. Confirmation soil sampling results are shown in Figures B-7 and B-8. The demolition of the cherry brown area and cleanup of Area 1 was planned to allow the construction of the new sapstain-control mixing room and spray booth. Demolition of the NP-1 storage tanks and mixing room and excavation in Areas 3 and 4 were postponed until 1992. Excavation of these areas was planned after demolition of the cherry brown area was complete.

Area 1 was excavated first to facilitate construction of the new mixing room and spray booth in this area. Contaminated soil and fill were excavated to the extent practicable. Complete excavation of all of the impacted soil was not possible because of limited accessibility and the potential for undermining the concrete foundation. The area was backfilled with clean fill to return the area to operation by the end of August. The confirmation soil sample collected in this area was below the Method C cleanup level for PCP.

Weyerhaeuser's original plan for excavation in Area 2 was to dewater before excavating to 12 to 15 feet bgs. The excavation of Area 2 began just west of the grader building. Over 20,000 gallons of water were pumped from the excavation, at an average rate of 670 gpm, in an attempt to lower the water table. During the 30-minute period of pumping, only a 6-inch drawdown of the water table was observed. The water was treated on site by carbon absorption before it was transported for disposal to Chemical Processor's industrial wastewater treatment facility in Kent, Washington.

Since it was found impractical to dewater Area 2, the excavation plan was modified. Weyerhaeuser evaluated installing sheet piling and barrier walls to allow excavation below the water table, but determined it was not practical due to severe access restrictions; including current building foundation. Therefore, soil and wood waste were excavated "in the wet," using a backhoe, to a maximum depth of approximately 16 feet bgs (6 feet below the water table) and placed in a staging area, to allow the liquids to drain back into the excavation. The excavated material was then placed in a roll-on/roll-off container and mixed with kiln dust to reduce the potential for a release of liquids from the debris. The excavated material was classified as a dangerous waste and transported to Chemical Waste Management's hazardous waste landfill in Arlington, Oregon. A total of 160 tons of PCP-contaminated soil and debris was removed from Areas 1, 2, 5, 6, 7, and 8 in 1991.

Confirmation soil samples collected from Areas 1, 4, and 8 were below Method C cleanup levels. Areas 2 and 5 still contained PCP above the Method C cleanup level.

7.2.3 1992 Excavation and Confirmation Sampling

The final stage of excavation was conducted in September 1992. Additional excavation was performed in Areas 3 and 5 (Figure B-9). Decontamination of the Area 2 soil stockpile and supplemental soil sampling in Areas 2, 6, and 7 was also conducted.

Confirmation samples were collected from the four sidewalls and floor of Area 3. Two confirmation soil samples collected from the south sidewall and floor of Area 3 contained PCP concentrations above the Method C cleanup level, at concentrations of 1,400 and 6,000 mg/kg, respectively. Further excavation was not possible because of concerns about the building foundation. One additional confirmation soil sample was collected in Area 2 along the conveyor and the building wall, with a concentration of PCP of 1.8 mg/kg. The soil samples collected from the decontaminated surface of Area 2 were below the Method C cleanup level. Additional confirmation soil samples collected from Areas 6 and 7 were below Method C cleanup levels.

In 1992, approximately 100 tons of PCP-contaminated soil and debris were removed from the site and transported to Chemical Waste Management's hazardous waste landfill in Arlington, Oregon.

7.2.4 Summary

A total of approximately 522 tons of soil and debris was removed from the site. All of this material was transported to Chemical Waste Management's hazardous waste landfill in Arlington, Oregon. Figure 5 illustrates the final limits of excavation and the sample designations numbers for the final confirmation samples. Table 8 lists the sample designations and left-in-place concentrations. Soil samples collected at the limits of the excavation in Areas 2, 3, and 5 contained concentrations of PCP above the Method C cleanup level. Further excavation in these areas could not be performed because of severe access constraints and concerns regarding the building foundation. PCP concentrations in all the confirmation samples collected in Areas 1, 4, 6, 7, and 8 were below the Method C cleanup level.

7.3 Process Modifications

Several improvements in hazardous-waste-handling practices have been made at the Aberdeen sawmill since 1986. In November 1986, PCP usage at the facility was discontinued. NP-1 has been used as a substitute since 1986 for wood treating. In 1991, the mixing room and former spray booth were demolished and the debris properly disposed of as hazardous waste. Also in 1991, a new spray booth was designed and constructed with containment to prevent releases of chemicals to the subsurface. Site personnel were trained in 1990 and 1991 in handling NP-1 wastes from the spray booth operations.

7.4 Institutional Controls

A deed restriction has been placed on the title of the property, because of the residual PCP-contaminated soil and groundwater left in place at the site. The restriction notifies any potential future owners of the remaining contamination. The restriction specifies that the shallow groundwater beneath the site shall not be removed and used at the site as a drinking water supply source. Areas with elevated concentrations of PCP remaining in the soil shall be kept capped with an asphalt or concrete cover, and no excavation shall occur in these areas without taking appropriate precautions. A copy of the deed restriction is included in Appendix I.

7.5 Groundwater Monitoring

As part of the remedial action program at the site, groundwater monitoring was performed semiannually in 1990 during the investigation and in 1991 during initial excavation. Quarterly groundwater sampling was performed in 1992 and 1993. Because of the limited detection of PCP in the monitoring wells over this period, groundwater monitoring was discontinued after 1993. Section 8.1 presents the results of a statistical evaluation of PCP concentrations in the groundwater over time.

8 COMPLIANCE MONITORING REQUIREMENTS

8.1 Groundwater

EMCON performed a statistical analysis of the groundwater data collected over the four years of monitoring from 1990 to 1993, using MTCA Stat, version 2.1. The chemicals evaluated were PCP and related chlorophenols, including 2,4,5- and 2,4,6-trichlorophenol, and 2,3,4,5-, 2,3,4,6-, and 2,3,5,6-tetrachlorophenol. The database for the site was queried for all these compounds for each monitoring well. The data for each well were then evaluated individually.

Monitoring wells D-01, D-02, D-03, D-06, and D-07 showed either all nondetect or one detection for each compound listed above. PCP was not detected in downgradient monitoring well D-06, and cross-gradient well D-07. Cross-gradient monitoring well D-08 showed two detections of PCP, with a maximum concentration of 5 µg/L. Cross-gradient monitoring well D-04e showed two detections of PCP, with a maximum concentration of 24 µg/L. Monitoring well D-04e also showed one detection of 2,3,4,6-tetrachlorophenol, at a concentration of 9.1 mg/L, and two detections of 2,4,5-trichlorophenol, at a maximum concentration of 8 mg/L.

PCP was detected in all samples collected from well D-05, at concentrations of from 1,300 to 9,900 µg/L. 2,3,5,6- and 2,3,4,5-tetrachlorophenol were both detected twice, with maximum concentrations of 1,200 µg/L and 2,300 µg/L. 2,4,5- and 2,4,6 trichlorophenol were detected two and four times, at maximum concentrations of 420 and 8 µg/L.

EMCON determined that the PCP data for well D-05 had a lognormal distribution. The 95 percent upper confidence limit on the mean (UCL₉₅) for the entire data set (1990 to 1993) was 7,700 µg/L.

On the basis of this evaluation, only monitoring well D-05 has contained PCP concentrations above the AWQC of 8.2 µg/L. The aerial extent of elevated PCP concentrations in groundwater appears to be localized to this area. Downgradient monitoring well D-06 only shown detectable PCP once in October 1993 at a low concentration of 0.001 mg/L. PCP has been detected two times in cross-gradient monitoring well D-04e (May and August, 1990). Only the May 1990 sampling detected

PCP at a concentration above the AWQC. All sampling since August 1990 (seven rounds) has resulted in no detections.

After an evaluation of these data, Weyerhaeuser determined that PCP-contaminated groundwater was not migrating to the Chehalis River, and groundwater monitoring was discontinued.

Since PCP releases at the facility are believed to be associated with spray booth and dip tank operations from the 1960s to the 1980s, it is likely that groundwater would have migrated toward the river during this 20-year period. Given the absence of elevated PCP concentrations in the downgradient monitoring well (D-06), the repeated detection of elevated levels of PCP in only one monitoring well (D-05), and the four years of groundwater data collected to date, information is sufficient to determine that migration of PCP in groundwater at concentrations exceeding AWQC is not occurring, and no further monitoring is required.

8.2 Conclusions

As part of a remedial action program, Weyerhaeuser excavated approximately 522 tons of PCP-contaminated material from the grader building area at its Aberdeen sawmill facility. Excavation in several areas was limited by accessibility problems and building foundation concerns. Further excavation of the PCP-contaminated soil in these areas was determined to be impractical. Soil samples collected at the limits of the excavation in some areas exceeded the MTCA Method C cleanup levels for PCP. All the excavated areas have been backfilled with clean fill, and some have been paved and are located inside the grader building under cover. The soil boring and soil sample results at the limits of the excavation suggest that a localized area of PCP impacted soil and debris remains in place.

Groundwater sampling at the site from 1990 to 1993 identified high levels of PCP in a localized area around monitoring well D-05. Slightly elevated levels of PCP have been detected infrequently in the other wells. A statistical evaluation of the data indicates that migration of PCP toward the Chehalis River is not occurring at concentrations exceeding the AWQC.

On the basis of the above information, Weyerhaeuser requests a determination of no further action for the Weyerhaeuser Aberdeen sawmill grader building.

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

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TABLES

Table 1

**1990 Semivolatile Organic Laboratory Results for Groundwater Sampling
Weyerhaeuser Sawmill
Aberdeen, Washington**

Constituent	Monitoring Well and Date Sampled													
	D-01	D-01	D-02	D-02	D-03	D-03	D-04	D-04	D-05	D-05	D-06	D-07	D-08	D-09
	05/25/90	08/15/90	05/25/90	08/15/90	03/25/90	08/15/90	05/25/90	08/15/90	05/25/90	08/15/90	09/13/90	09/13/90	09/13/90	09/13/90
Phenol	ND	ND	ND	ND	ND	ND	10U	20U	22	140	10U	740E	280	23
2-Chlorophenol	ND	ND	0110	0.020 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	ND	ND	ND	ND	ND	ND	5J	79	9J	130	10U	55	54	5J
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	4J	20U	ND	ND	ND	ND
Benzoic Acid	4J	100U	4J	100U	120	100U	17J	20J	33J	130	51U	50U	50U	8J
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	10J	23	10U	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	2J	20U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Napthalene	ND	ND	ND	ND	ND	ND	2J	20U	7J	8J	ND	ND	ND	23
4-Chloro-3-Methylphenol	ND	ND	22	20U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	3J	6J	10U	ND	ND	17
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	10U	9J	10U	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	8J	5J	190	420	51U	ND	ND	ND
4-Nitrophenol	ND	ND	190	100U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	5J	100U	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	83	100U	ND	ND	24J	6J	6,900E	5,800E	51U	50U	50U	51J
bis(2-Ethylhexyl)phthalate	ND	ND	2J	20U	ND	ND	4J	ND	ND	ND	ND	ND	ND	ND

Note: All concentrations reported in μL .
 ND = Not detected.
 J = An estimated value below the quantitation limit.
 U = Compound was analyzed for but not detected. Level of detection is shown.
 E = Concentration exceeds the calibration range of the instrument.

Table 2

**Tital Response Study Results
Weyerhaeuser Company Weyerhaeuser Sawmill
Aberdeen, Washington**

Location	Water Elevation (3/30 - 3/31/96) ^a			
	Maximum	Minimum	Range	Mean
Wells				
D-02	9.89	9.85	0.04	9.87
D-03	10.55	10.48	0.07	10.51
D-04E	9.95	9.91	0.04	9.93
D-05	9.88	9.83	0.05	9.85
D-06	9.83	9.78	0.05	9.80
D-07	9.88	9.84	0.04	9.86
D-08	9.88	9.83	0.05	9.85
D-09	9.87	9.82	0.05	9.84
River				
Stilling Well	8.88	1.08	7.80	5.42

NOTE: Vertical datam = City of Aberdeen Datum (mean lower low water).
Water levels were not measured in monitoring well D-01 due to access problems.
^a For period from 3/30 (01:55) to 3/31 (02:45).

Table 3

Total and Dissolved Metals Groundwater Sampling Results for D-06
(07/14/92)
Weyerhaeuser Sawmill
Aberdeen, Washington

Constituent	Total Metals (µg/L)	Dissolved Metals (µg/L)
Aluminum	105,000	<200
Antimony	<50	<50
Arsenic	5	<3
Barium	585	186
Beryllium	<10	<10
Bismuth	<50	<50
Boron	504	<500
Cadmium	<10	<10
Calcium	55,500	51,200
Chromium	56	<10
Cobalt	29	<10
Copper	186	<20
Iron	150,000	91,600
Lead	72	<50
Lithium	317	233
Magnesium	64,600	57,800
Manganese	9,250	9,150
Mercury	0.4	<0.20
Molybdenum	<10	<10
Nickel	42	<30
Phosphorus	2,120	291
Potassium	17,800	14,500
Selenium	<200	<200
Silver	<10	<10
Sodium	152,000	145,000
Strontium	851	753
Thallium	<1,000	<1,000
Tin	<50	<50
Vanadium	261	<10
Zinc	121	<20

Table 4
Total and Dissolved Metals Groundwater Sampling Results for D-08
(07/14/92)
Weyerhaeuser Sawmill
Aberdeen, Washington

Constituent	Total Metals (µg/L)	Dissolved Metals (µg/L)
Aluminum	49,700	<200
Antimony	<50	<50
Arsenic	6	<3
Barium	290	<100
Beryllium	<10	<10
Bismuth	<50	<50
Boron	<500	<500
Cadmium	<10	<10
Calcium	33,700	22,900
Chromium	49	<10
Cobalt	27	<10
Copper	119	<20
Iron	95,700	37,600
Lead	120	<50
Lithium	155	127
Magnesium	19,900	10,000
Manganese	4,610	3,740
Mercury	2.8	<0.2
Molybdenum	<10	<10
Nickel	37	<30
Phosphorus	2,760	<200
Potassium	5,230	<10
Selenium	<200	<200
Silver	<10	<10
Sodium	57,700	56,400
Strontium	324	226
Thallium	<1,000	<1,000
Tin	<50	<50
Vanadium	150	<10
Zinc	586	<20

Table 5

Summary of Potentially Applicable State and Local Requirements
 Weyerhaeuser Sawmill
 Aberdeen, Washington

Standard, Requirement, Criteria, Limitation	Citation	Description	Comments
Hazardous Waste Cleanup Model Toxics Control Act	Chapter 70.15D RCW	Gives the Department of Ecology power to investigate and clean up hazardous waste sites.	
Model Toxics Control Act Cleanup Regulation	Chapter 173-340 WAC	Establishes processes and standards to investigate and clean up hazardous substances.	
<ul style="list-style-type: none"> • Groundwater Cleanup Standards • Soil Cleanup Standards 	WAC 173-340-720 WAC 173-340-740	Standards applicable to groundwater cleanup. Standards applicable to soil cleanup.	
Minimum Standards for Construction and Maintenance of Wells	Chapter 173-160 WAC	Establishes minimum standards for water supply and resource protection wells.	Applicable to construction and maintenance of wells at the site.
Dangerous Waste Regulations	Chapter 173-303 WAC	State regulation that classifies and regulates dangerous and extremely dangerous waste.	Dangerous waste may be generated if activated carbon is used as part of a remedial alternative.
Public Water System Rules and Regulations	Chapter 248-54 WAC	Establishes water quality standards for public drinking water supplies.	Applicable cleanup standard cited in MTCA.
WISHA	WAC 296-62-300	Establishes training requirements for workers at hazardous waste sites.	Applicable to on-site workers performing remediation-related tasks.
Washington Water Pollution Control Act	RCW 90.48 and 90.54	Regulates discharges into state waters.	Applicable to storm drain discharges of treated groundwater.
State NPDES Permitting Regulations	Chapter 173-220 WAC	Establishes effluent discharge permit requirements.	Applicable to storm drain discharges of treated groundwater.
Local POTW Discharge Requirements		Establishes effluent discharge permit requirements.	Applicable to sewer discharges of treated groundwater.

Table 6
Summary of Potentially Applicable Federal Requirements
Weyerhaeuser Sawmill
Aberdeen, Washington

	Citation	Description	Comments
Resource Conservation and Recovery Act (RCRA) as amended by the Hazardous and Solid Waste Amendments (HSWWA) <ul style="list-style-type: none"> Hazardous Waste Identification 	42 USCA 7401-7642 40 CFR 264.94 40 CFR 261.24	Federal Act that classifies and regulates hazardous waste and facilities which treat, store, and dispose (TSD) of hazardous waste. Established whether solid waste is hazardous.	Toxicity characteristic for 38 organics and 8 metals. Activated carbon, a process option that may be implemented at the site, may require analysis after it is exhausted.
Clean Water Act (CWA) <ul style="list-style-type: none"> Water Quality Criteria National Pollutant Discharge Elimination System (NPDES) Permit Discharge of Publicly Owned Treatment Works (POTW) 	33 USCA 1251-1376 40 CFR 100-149 Sect. 340 of CWA 40 CFR 122-235 Sec. 307 of CWA	Federal act that established a system of minimum national effluent discharge standards; a construction grant program for POTWs, ocean discharge requirements, and water quality criteria. Established criteria based on designated or potential use of the water and designated use of the receiving waters. Requires states to identify surface waters impaired by excessive amounts of toxics, and, where the conditions are primarily attributable to point source discharges, to develop individual control strategies. Requirements for permits and limitations for discharges of effluent to surface waters. Discharge from new sources to POTWs.	Nonenforceable guidance developed under CWA and used by states to set water quality standards. May be reflected in NPDES limitations. Potentially applicable if treated water is discharged to surface water. Potentially applicable if treated water discharge to surface water. Applicable for discharge to local POTW. Reflected in permit limitations set by POTW.
Occupational Safety and Health Act (OSHA)	29 CFR 1910 SARA Sec. 126	Requires that on-site workers engaged in hazardous waste operations complete 40-hour health and safety training.	Worker protection standards that are applicable to workers on CERCLA sites.
RCRA as amended by HSWA			
<ul style="list-style-type: none"> Land Disposal Restrictions Incineration 	40 CFR 264.250 40 CFR 264.340	Requirements that may prohibit placement of certain hazardous wastes in land disposal unit. Requirements for incinerators of hazardous waste.	Hazardous waste could be generated if activated carbon is used as part of a remedial alternative. Potentially applicable if hazardous waste (e.g., spent activated carbon) generated on site is incinerated off site.

Table 7

Soil Excavation Summary
Weyerhaeuser Sawmill
Aberdeen, Washington

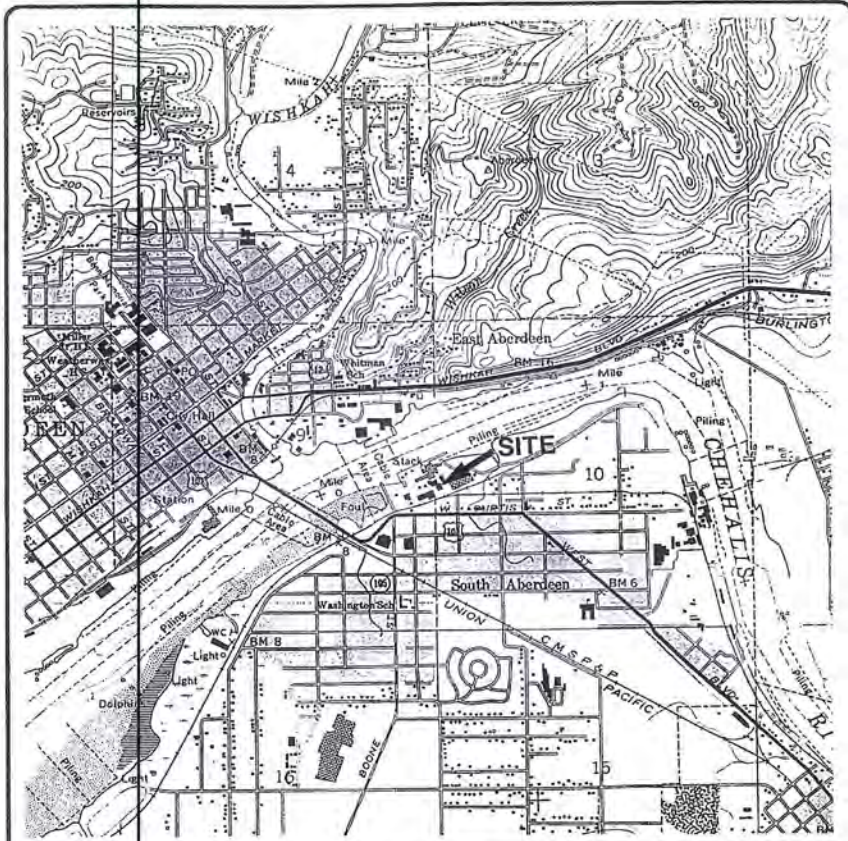
Excavation Date	Areas Excavated	Quantity of Soil and Debris Excavated	Comments	Figure
July 1990	1, 2, 3, 4, 6, 7, 8	262 tons	Area 2 still contained PCP concentrations above Method C cleanup levels Area 3 still contained PCP concentrations above Method C cleanup levels	B-4
August 1991	1, 2, 5, 6, 7 and 8	160 tons	Area 1 is complete Area 2 still contained PCP concentrations above Method C cleanup levels; however, further excavation could not be conducted due to concerns regarding building foundations or severe access constraints Area 5 still contained PCP above Method C cleanup levels, however, further excavation could not be conducted due to concerns regarding building foundations or severe access constraints. Area 8 is complete	B-8
September 1992	3 and 5	100 tons	Area 3 still contained PCP concentrations above Method C cleanup levels; however, further excavation could not be conducted due to concerns regarding building foundations or severe access constraints Area 6 is complete Area 7 is complete	B-9
<p>Note: Areas were sampled in 1990 and 1991 with results below Method C cleanup levels, but additional sampling was performed by Weyerhaeuser. After final sampling in area, the area was classified as clean.</p>				

Table 8
Soil Sample Laboratory Results for PCP at
Limits of Excavation
Weyerhaeuser Sawmill
Aberdeen, Washington

Date Sampled	Laboratory Sampling Identification	Sampling Location/Description	Depth (ft)	PCP Concentration (mg/kg)
05/24/90 ^b	SAP-1	Surface soil	—	3.9 ^J
07/15/90 ^b	CB-17	End of conveyor, 6 point composite	—	14
09/07/90 ^b	NP-1-1	Grab	3	3.4
07/20/90 ^b	NP1-3	Grab	4	670
10/30/90 ^a	WFWP1	Foundation borehole - grab	2 - 3	0.075
09/07/90 ^a	NP1-4	Sidewall grab	4	<66
08/15/90 ^b	WN6	Sidewall	1	95 ^D
08/15/90 ^b	W5	Sidewall	2	180 ^D
05/30/91 ^b	Wey-AB-204	Sidewall, east of Area 2	—	5,600
05/30/91 ^a	Wey-AB-208	Surface grab	—	5 ^J
05/30/91 ^a	Wey-AB-209	Grab	2 - 4	<69 ^U
08/15/92 ^b	301	5 point composite	4 - 5	370 ^J
08/15/92 ^a	302	Floor grab	6	2,300
08/15/92 ^a	303	5 point composite	3	190 ^J
08/15/92 ^a	304	North wall, 5 point composite	4	680 ^D
08/22/91 ^a	501	Surface grab	2	1,200
08/22/91 ^a	502	5 point composite	2- 3	560
08/22/91 ^a	503	5 point composite under slow down belt	1	340
08/22/91 ^a	504	Floor - 5 point composite	6	700
08/22/91 ^a	505	Wall - 4 point composite	—	130
08/16/91 ^a	404	3 point composite	4	24
08/16/91 ^a	401	Grab - center Area 2	16*	1,500
08/16/91 ^a	402	Grab - hot spot Area A	16*	4,700
08/16/91 ^a	406	5 point composite	6 - 8*	2,300
08/16/91 ^a	405	3 point composite	4	590
08/16/91 ^a	403	Grab - south end under cross timbers	5	1,900
09/22/92 ^a	4-8	Northeast corner grader	—	0.31 ^J
09/22/92 ^a	3-7	Northwest corner grader chain-grab	—	0.47 ^J
09/22/92 ^a	5-9	Along conveyor clean sand & building	—	1.8
09/15/92 ^a	OE-1	East wall	3	1,000 ^B
09/15/92 ^a	OE2	North wall of Area 3	3	2.1 ^B
09/15/92 ^a	OE-3	South wall	3	1,400 ^B
09/15/92 ^a	OE-4	Floor	5	6,000 ^B
09/15/92 ^a	OE-5	West wall	3	5.5 ^B
09/15/92 ^a	1-peripheral	Composite surface - 1 ft peripherally	1	290 ^D
09/22/92 ^b	2-Center	Surface composite	1	560

NOTE: D = Value for diluted sample.
J = Estimated value
U = Compound analyzed for but not detected at medium level.
* = Excavated/sampled below water table.
B = ?

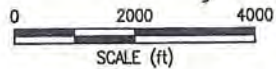
^a Represents oil left in place.
^b Not clear whether this soil was excavated.



SOURCE: U.S.G.S. 7.5 MIN. SERIES, ABERDEEN QUADRANGLE, WA.



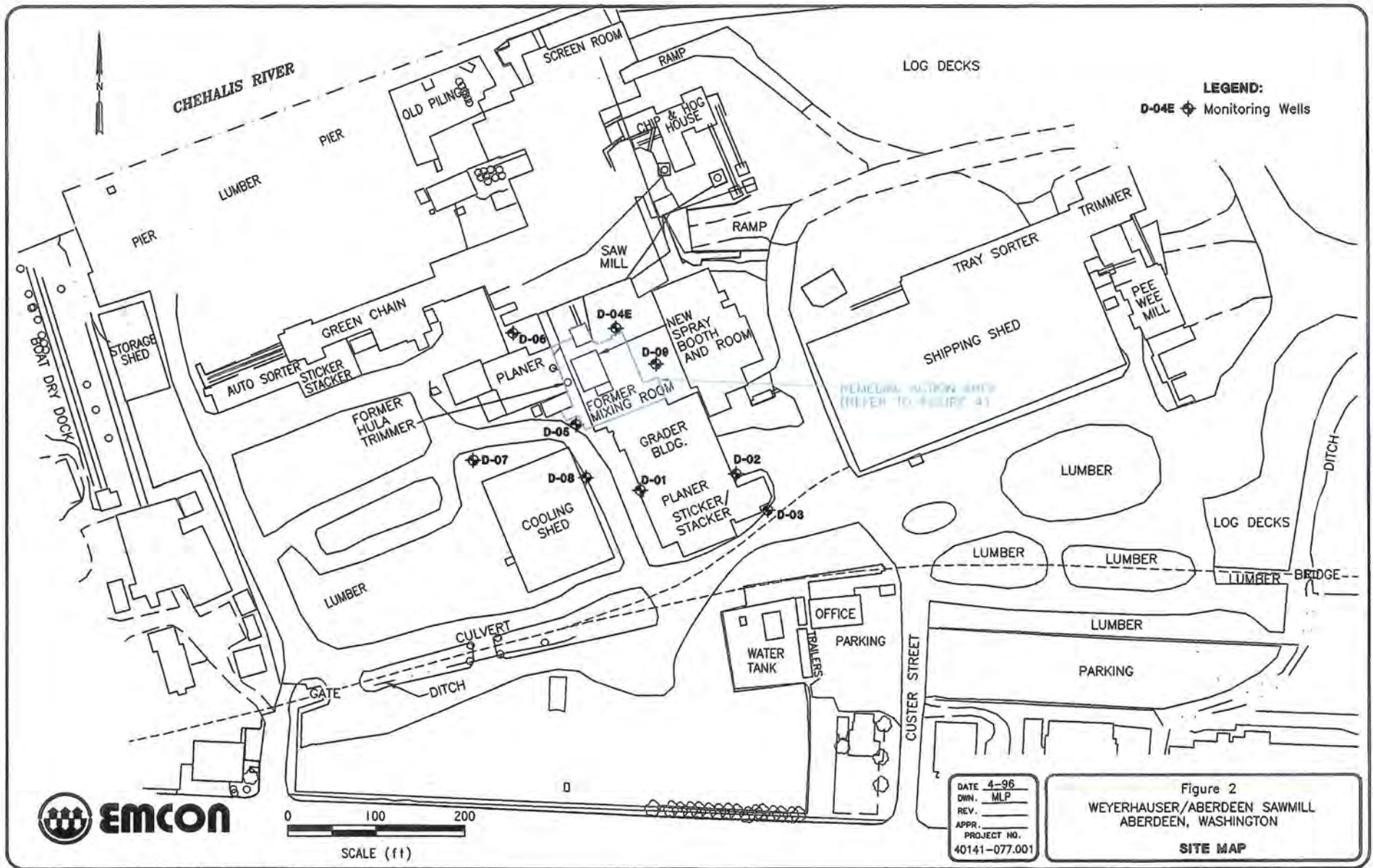
WASHINGTON

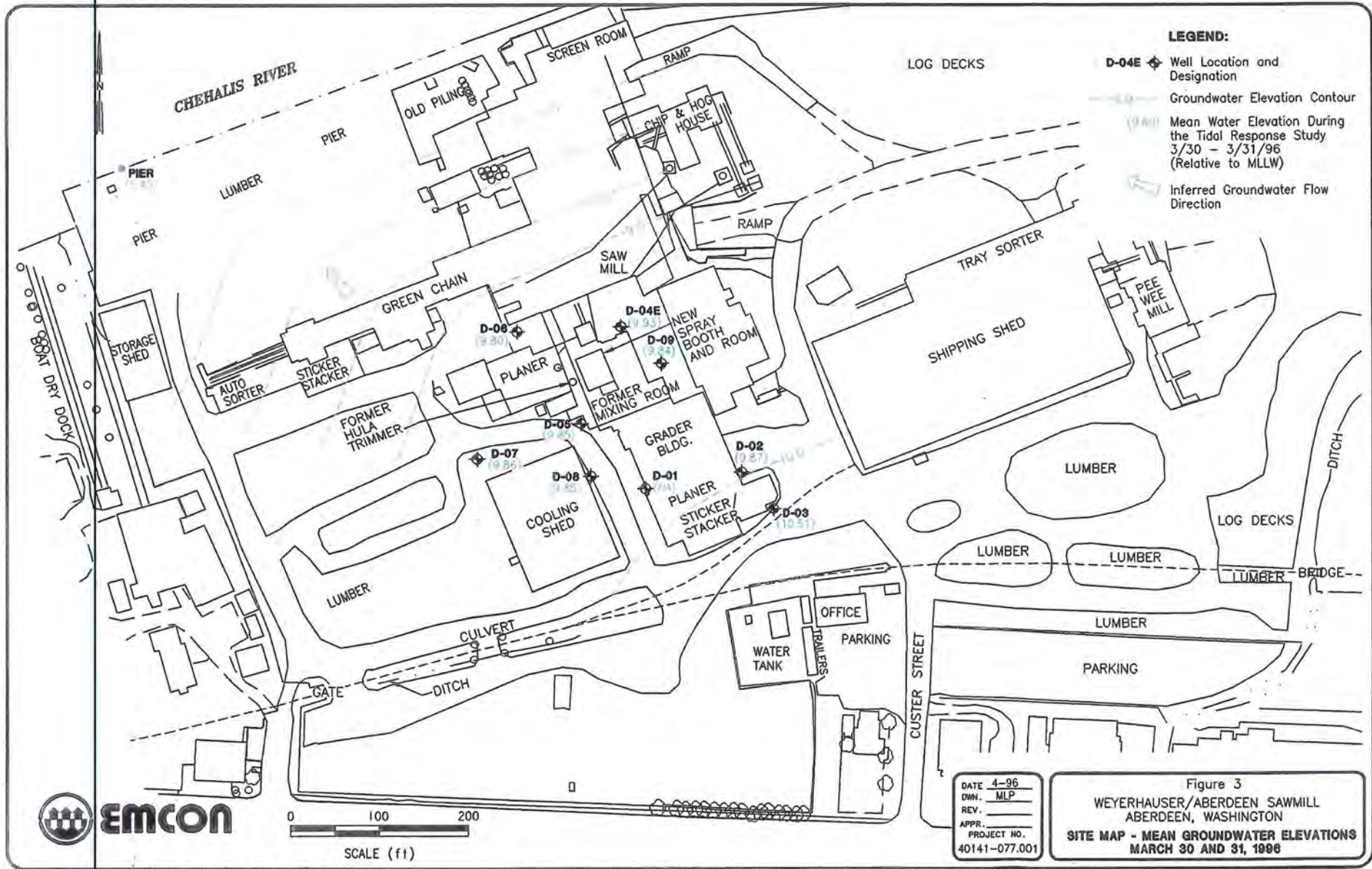


DATE 4-96
DWN. MLP
REV. _____
APPR. _____
PROJECT NO.
40141-077.001

Figure 1
WEYERHAEUSER/ABERDEEN SAWMILL
ABERDEEN, WASHINGTON

SITE VICINITY MAP





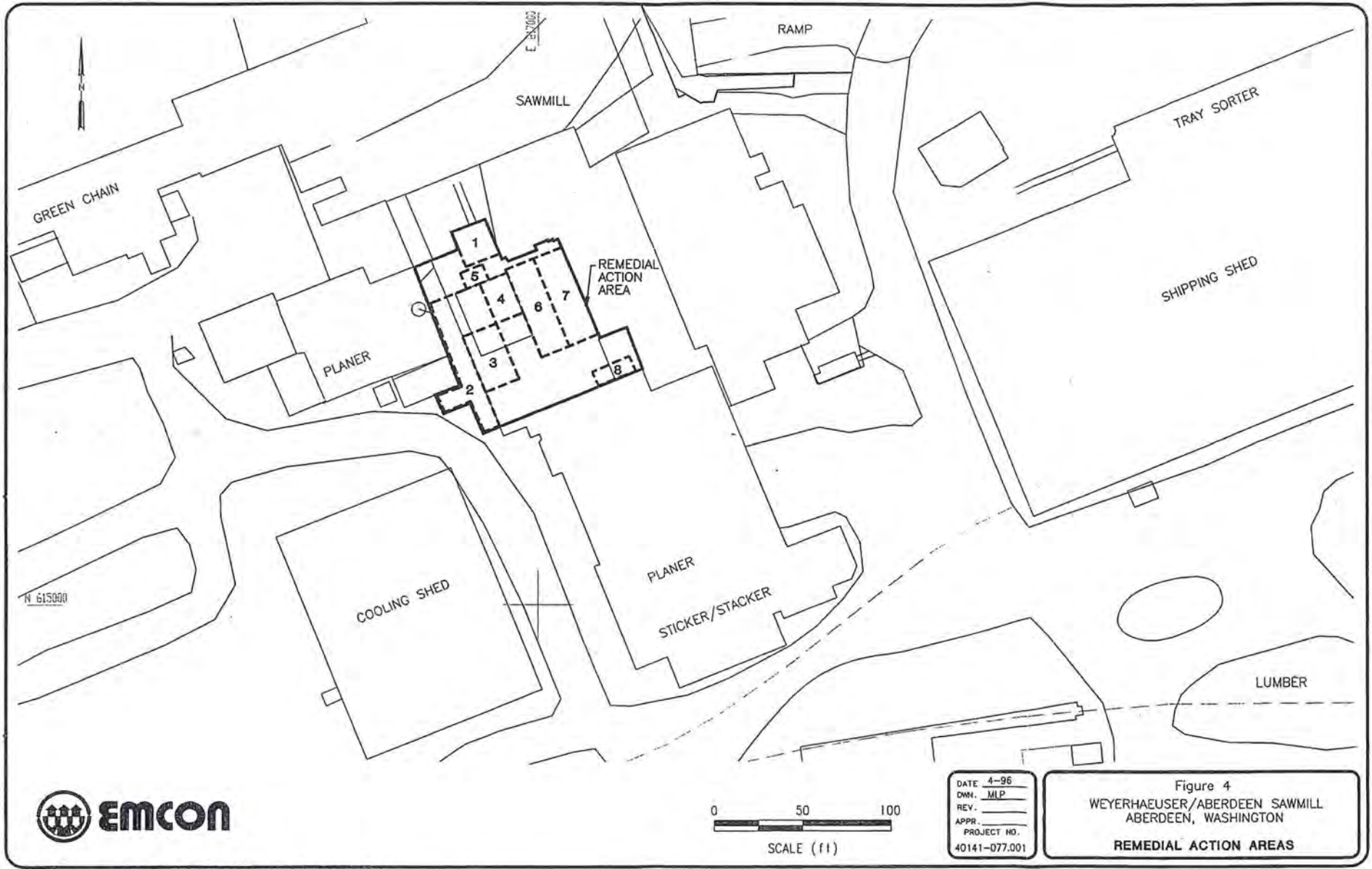
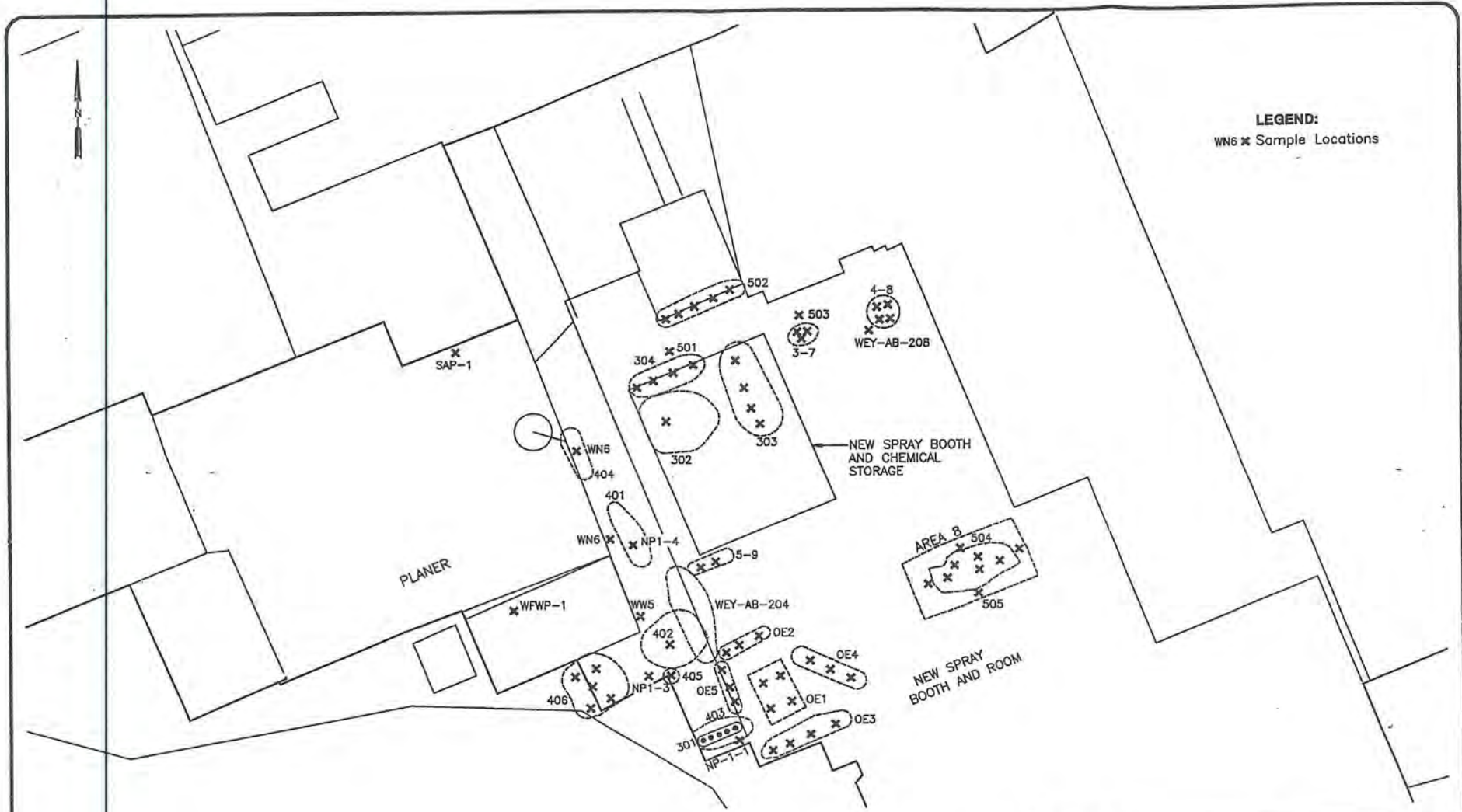
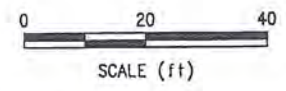


Figure 4
 WEYERHAEUSER/ABERDEEN SAWMILL
 ABERDEEN, WASHINGTON
REMEDIAL ACTION AREAS



LEGEND:
 WN6 x Sample Locations

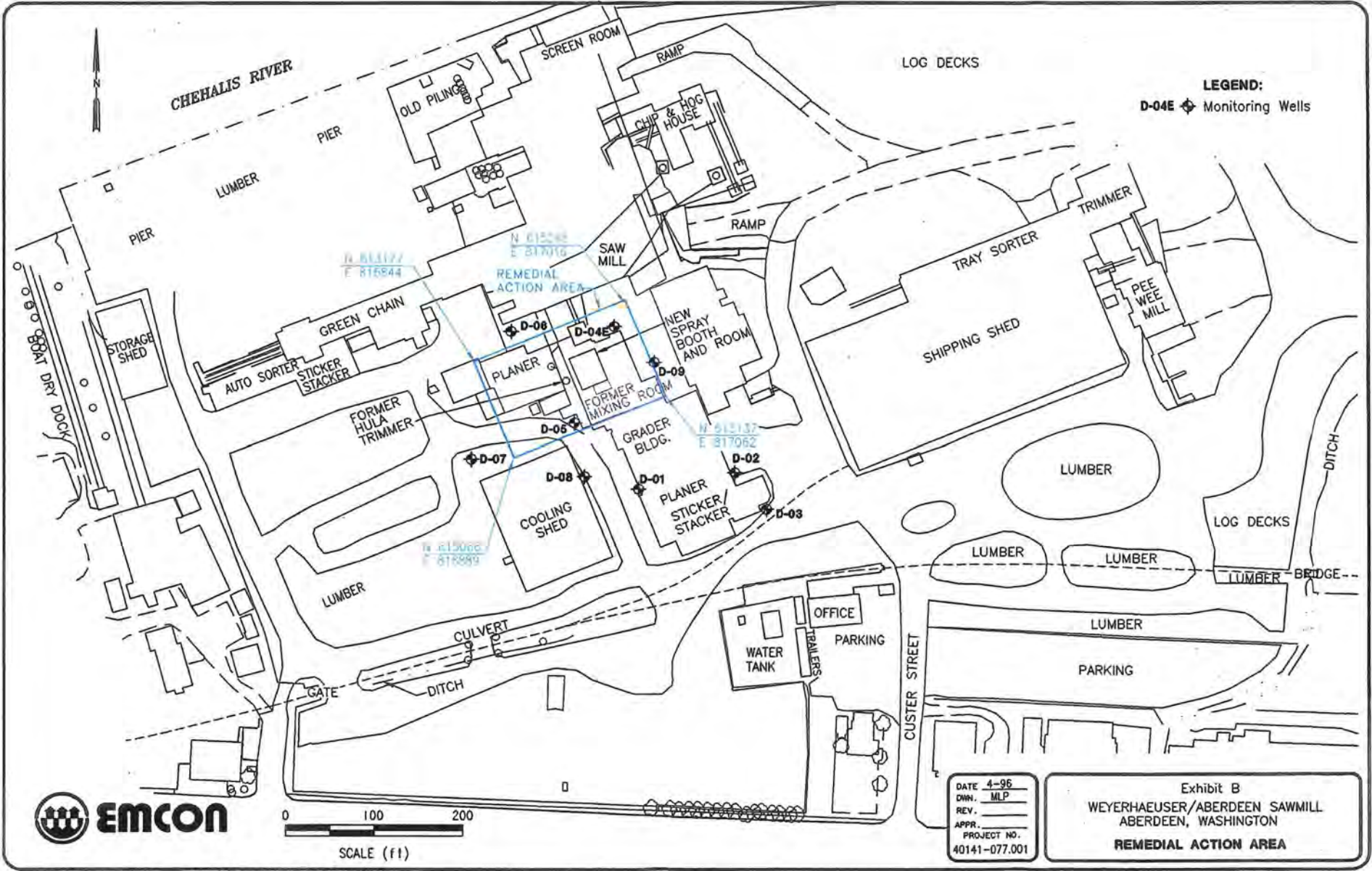
NOTE: TABLE PRESENTS LEFT-IN PLACE CONCENTRATIONS.



DATE 4-95
 DWN. MLP
 REV. _____
 APPR. _____
 PROJECT NO.
 40141-077.001

Figure 5
 WEYERHAEUSER/ABERDEEN SAWMILL
 ABERDEEN, WASHINGTON
SOIL SAMPLES AT LIMITS OF EXCAVATION





LEGEND:
 D-04E ◊ Monitoring Wells

DATE 4-96
 DWN. MLP
 REV. _____
 APPR. _____
 PROJECT NO.
 40141-077.001

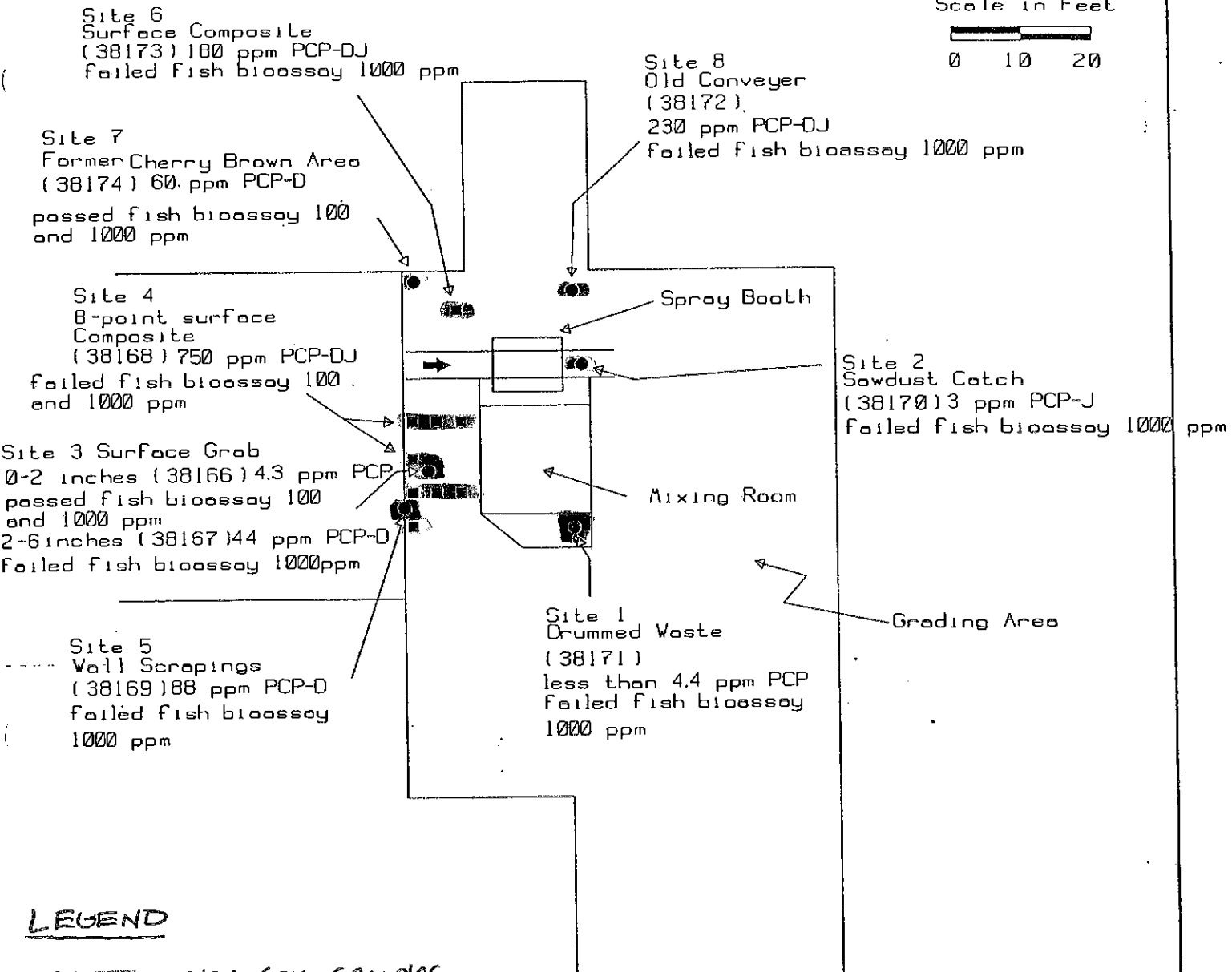
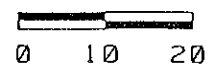
Exhibit B
 WEYERHAEUSER/ABERDEEN SAWMILL
 ABERDEEN, WASHINGTON
REMEDIATION ACTION AREA

APPENDIX A: Independent Remedial Action Report Summary Form

I did not copy this when I was at state archives – Joyce Mercuri 6/15/17

APPENDIX B SOIL SAMPLING LOCATIONS AND LABORATORY RESULTS

Approximate Scale in Feet



LEGEND

- = NON-SOIL SAMPLES (WASTE CHARACTERIZATION)
- = SUBSEQUENTLY EXCAVATED

NOTE: no failures of E P toxicity metals for maximum concentration limit

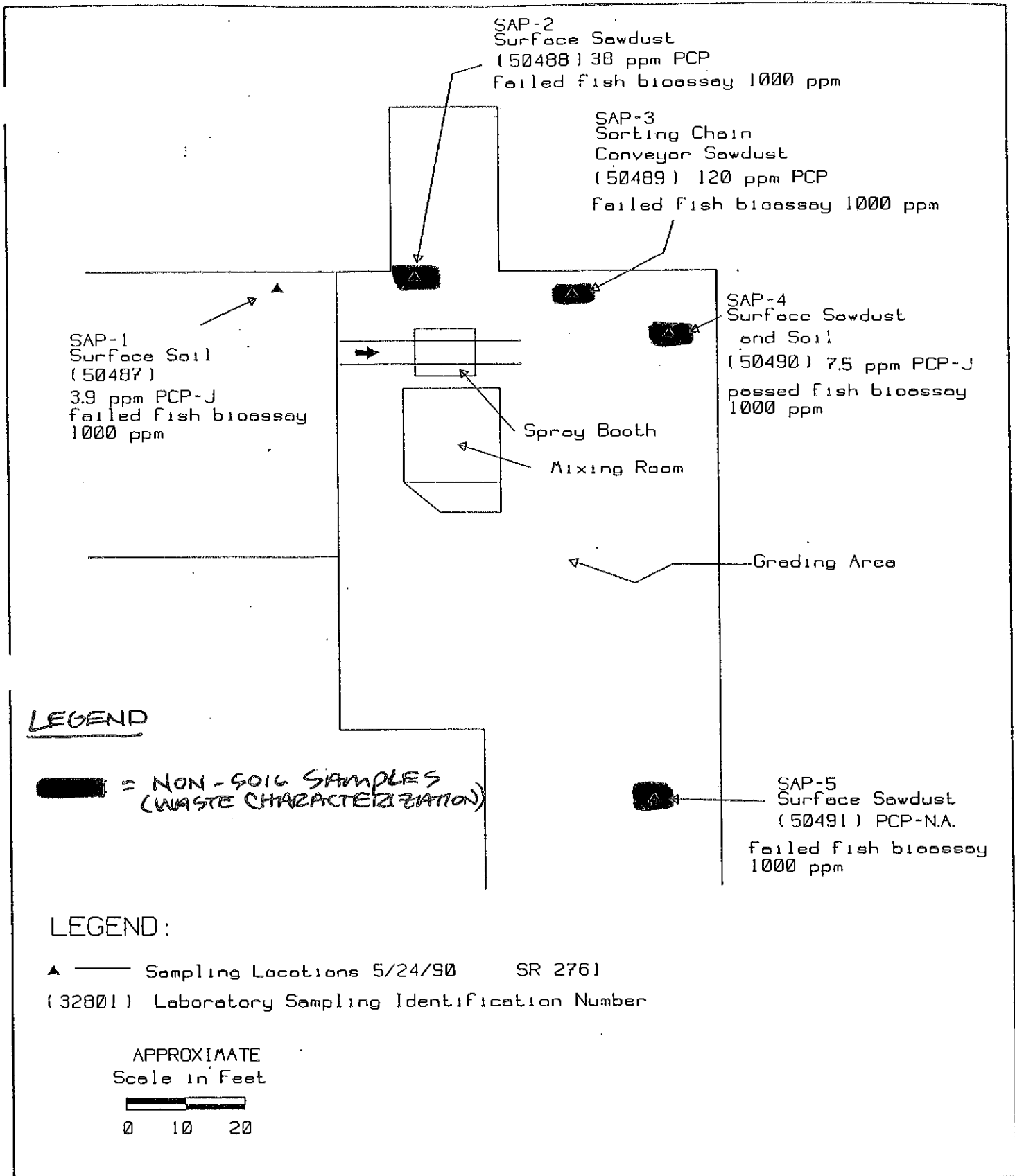
LEGEND:

- ■ = Sampling Locations 10/15/89 SR 909
- (32801) = Laboratory Sampling Identification Number
- D = Values from diluted samples
- J = Estimated value

Weyerhaeuser
Environmental Sciences and Technology

Drawn By: GWR Checked JEM

FIGURE B-1
Aberdeen Sawmill Wood
Surface Treatment Area
Sampling Locations



Weyerhaeuser
Environmental Sciences and Technology

Drawn By: GWR Checked: JEM

FIGURE B-2
Aberdeen Sawmill: Wood
Surface Treatment Area
Sampling Locations

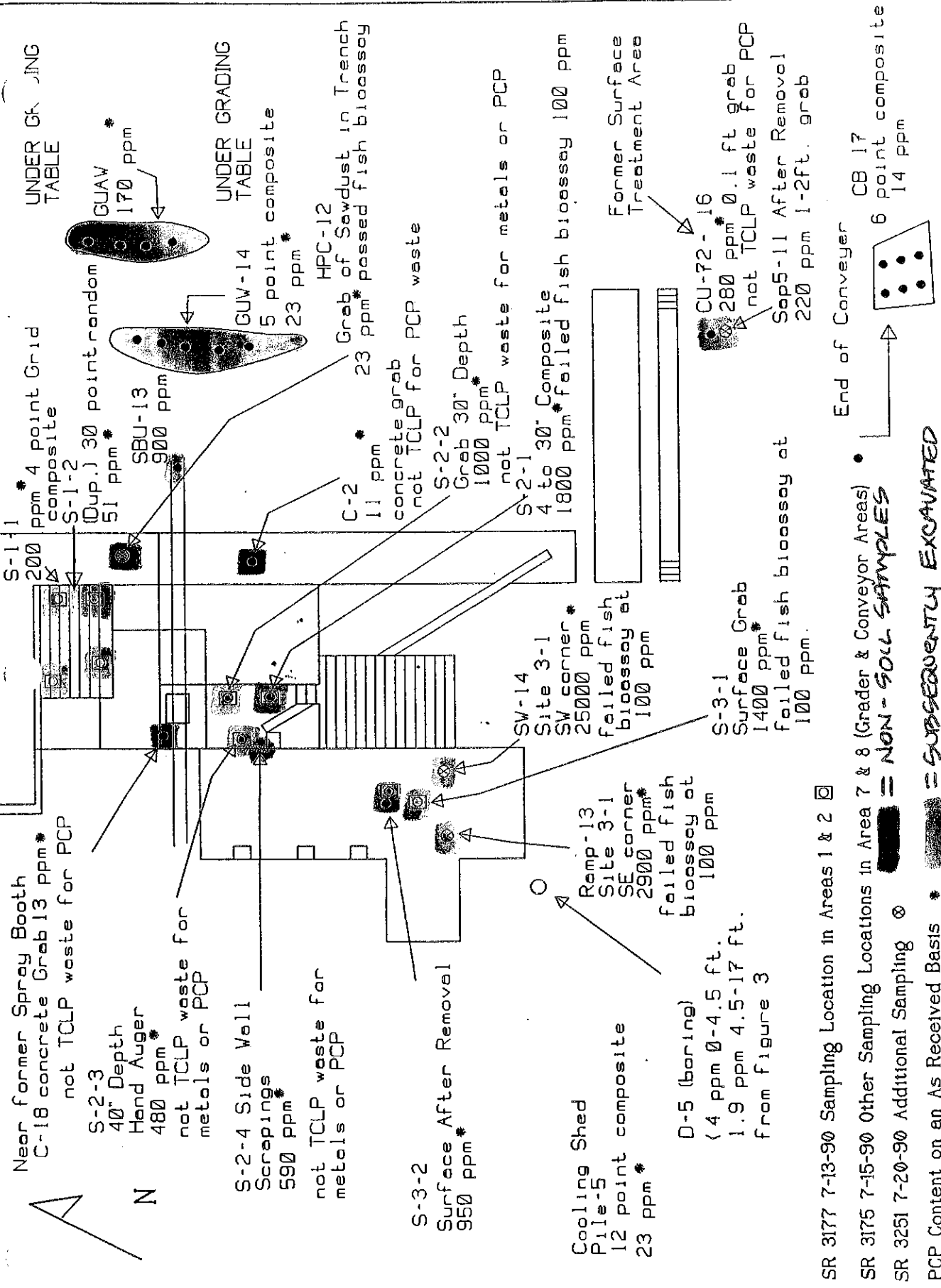


FIGURE B-3
Aberdeen Sawmill Pre-removal First Excavation
PCP Soil Concentration Summary
 July 1990

Weyerhaeuser
 Environmental Sciences and Technology

Drawn By: GWR Checked: JEM

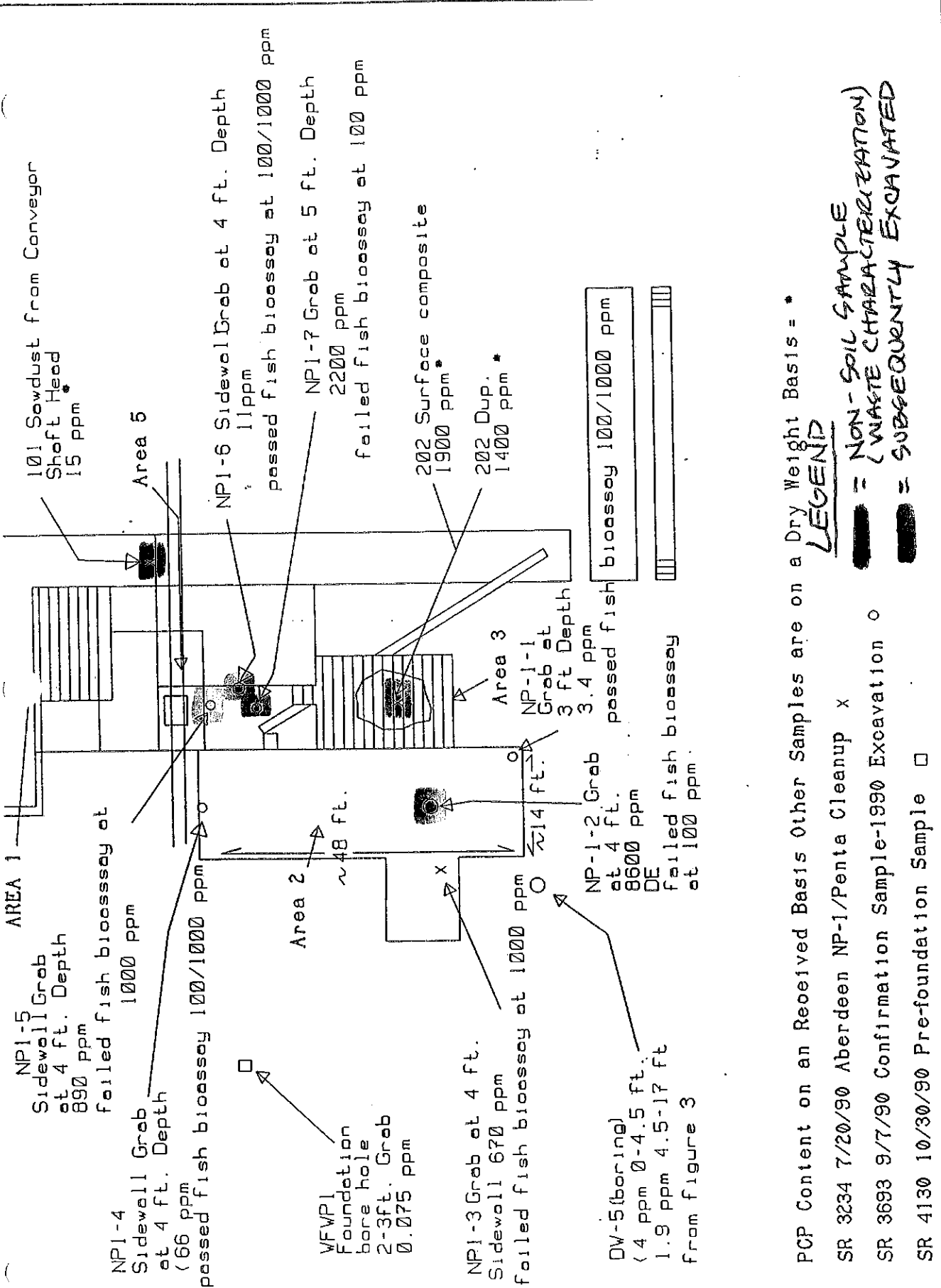


FIGURE B-4

Aberdeen Sawmill Confirmation Samples

For 1990 Excavation Work

Weyerhaeuser
Environmental Sciences and Technology

Drawn By: GVR Checked: JEM

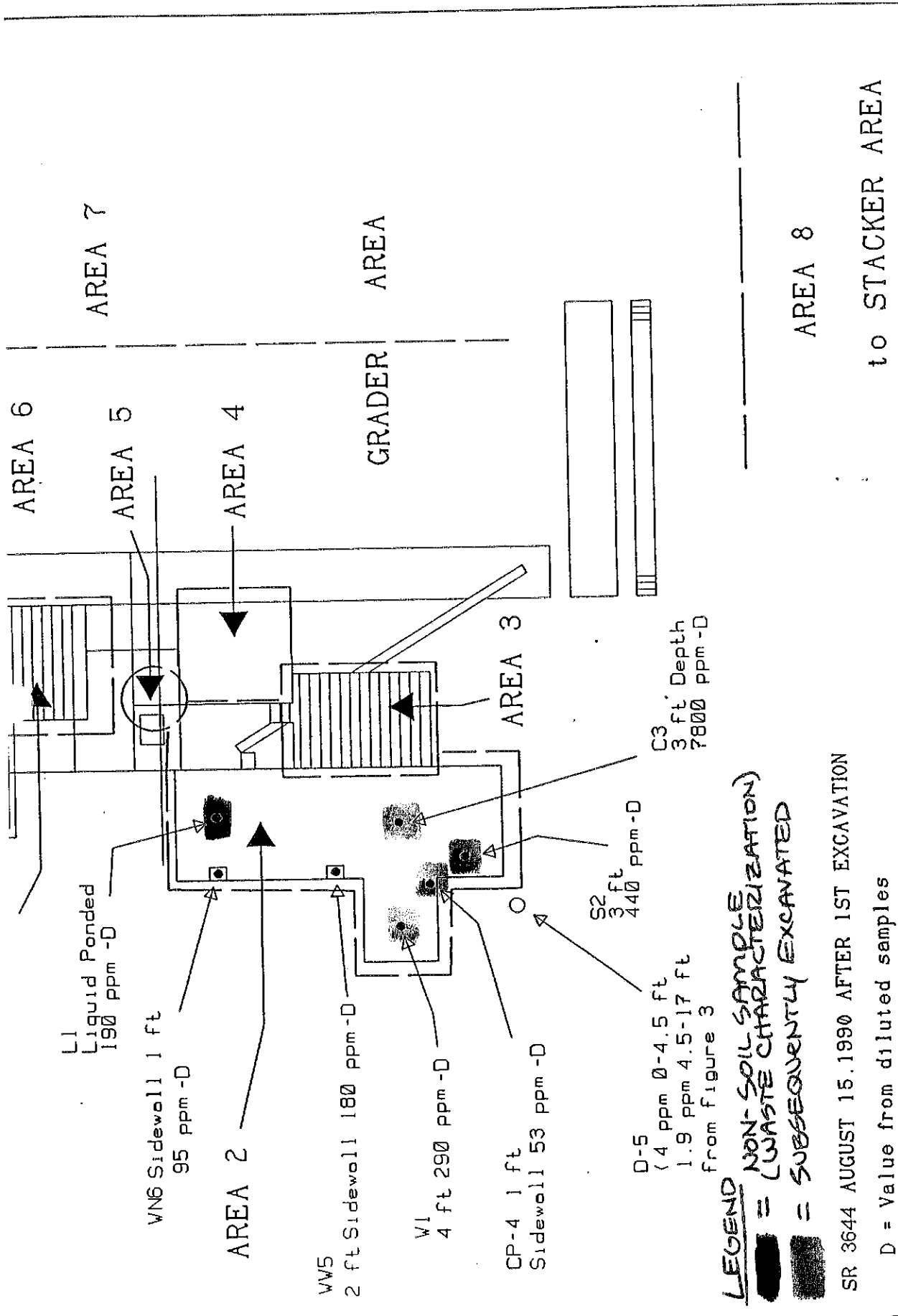
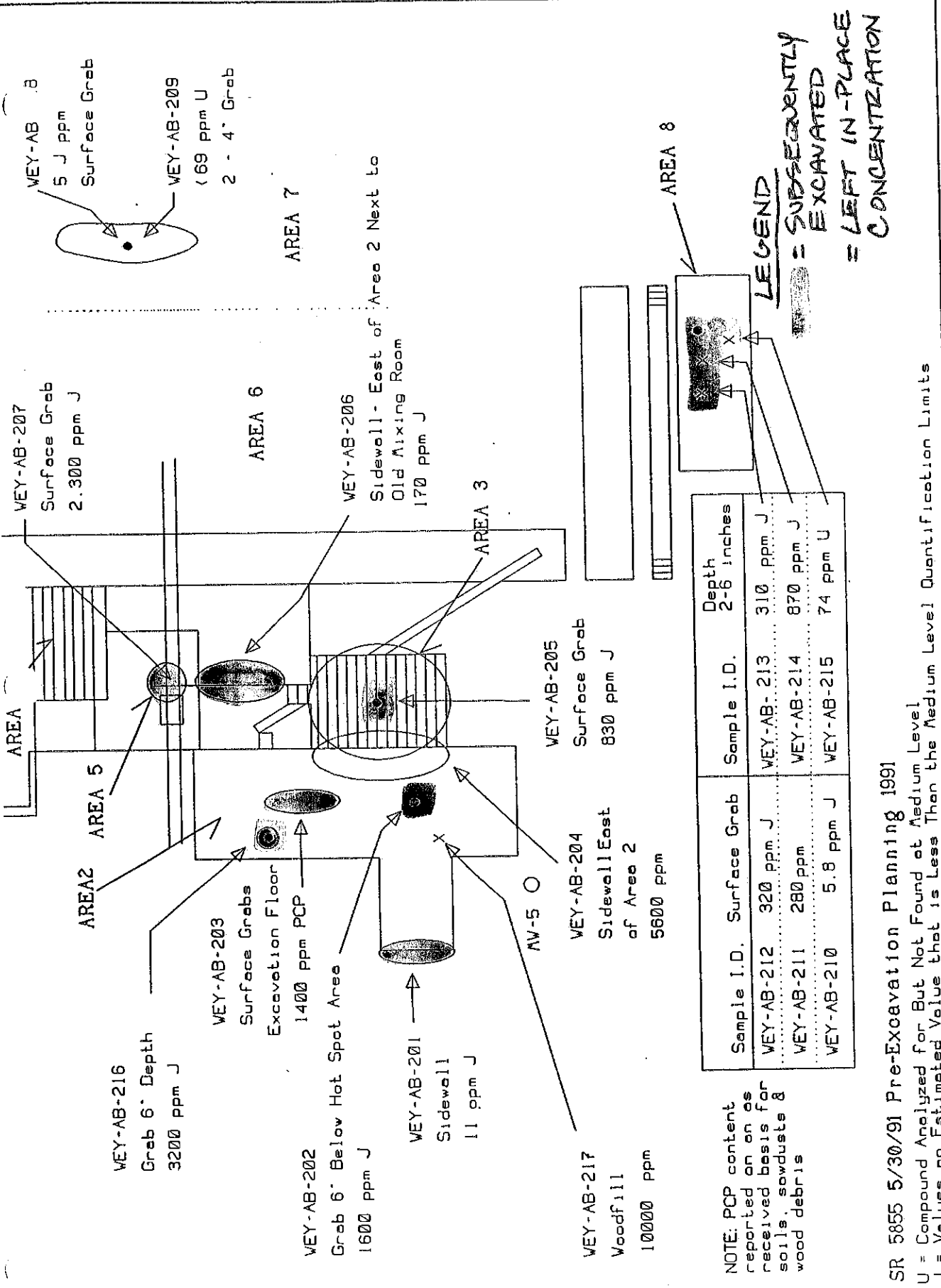


FIGURE B-5
 PCP Soil Concentration Summary
 Aberdeen WA

Weyerhaeuser
 Environmental Sciences and Technology
 Drawn By: GVR Checked: JEM



NOTE: PCP content reported on an as received basis for soils, sawdusts & wood debris

Sample I.D.	Surface Grab	Sample I.D.	Depth 2-6 inches
VEY-AB-212	320 ppm J	VEY-AB-213	310 ppm J
VEY-AB-211	280 ppm	VEY-AB-214	870 ppm J
VEY-AB-210	5.8 ppm J	VEY-AB-215	74 ppm U

LEGEND
 = SUBSEQUENTLY EXCAVATED
 = LEFT IN-PLACE CONCENTRATION

SR 5855 5/30/91 Pre-Excavation Planning 1991

U = Compound Analyzed for But Not Found at Medium Level
 J = Values an Estimated Value that is Less Than the Medium Level Quantification Limits

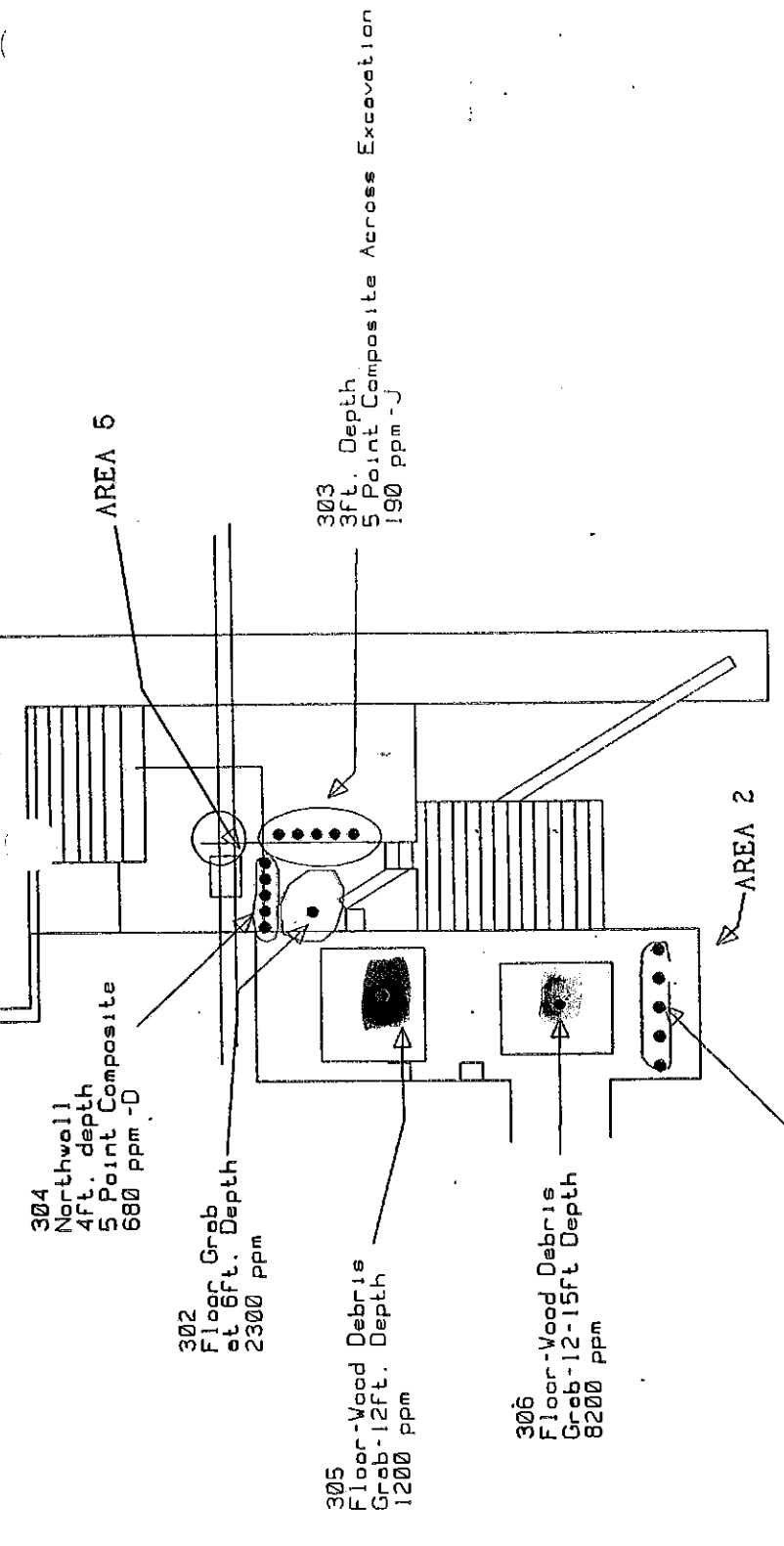
FIGURE B-6

Aberdeen Sawmill 1991 Pre-Excavation Screening Soil Sampling Locations

Weyerhaeuser
 Environmental Sciences and Technology

May 30, 1991

Drawn By: GVR Checked: JEM



302
Baker Tank Excavation Water
2.2 - 4.7 ppm

301
4 to 5 ft. Depth
5 point Composite
soil & wood
370 ppm -J

302
Floor Grab
at 6ft. Depth
2300 ppm

305
Floor-Wood Debris
Grab-12ft. Depth
1200 ppm

306
Floor-Wood Debris
Grab-12-15ft Depth
8200 ppm

303
3ft. Depth
5 Point Composite Across Excavation
190 ppm -J

AREA 5

AREA 2

LEGEND

- = NON-SOIL SAMPLES (WASTE CHARACTERIZATION)
- = SUBSEQUENTLY EXCAVATED
- = LEFT IN-PLACE CONCENTRATION

SR 6483 8-15-92 2nd Excavation 1991
Screening Samples-Medium Level

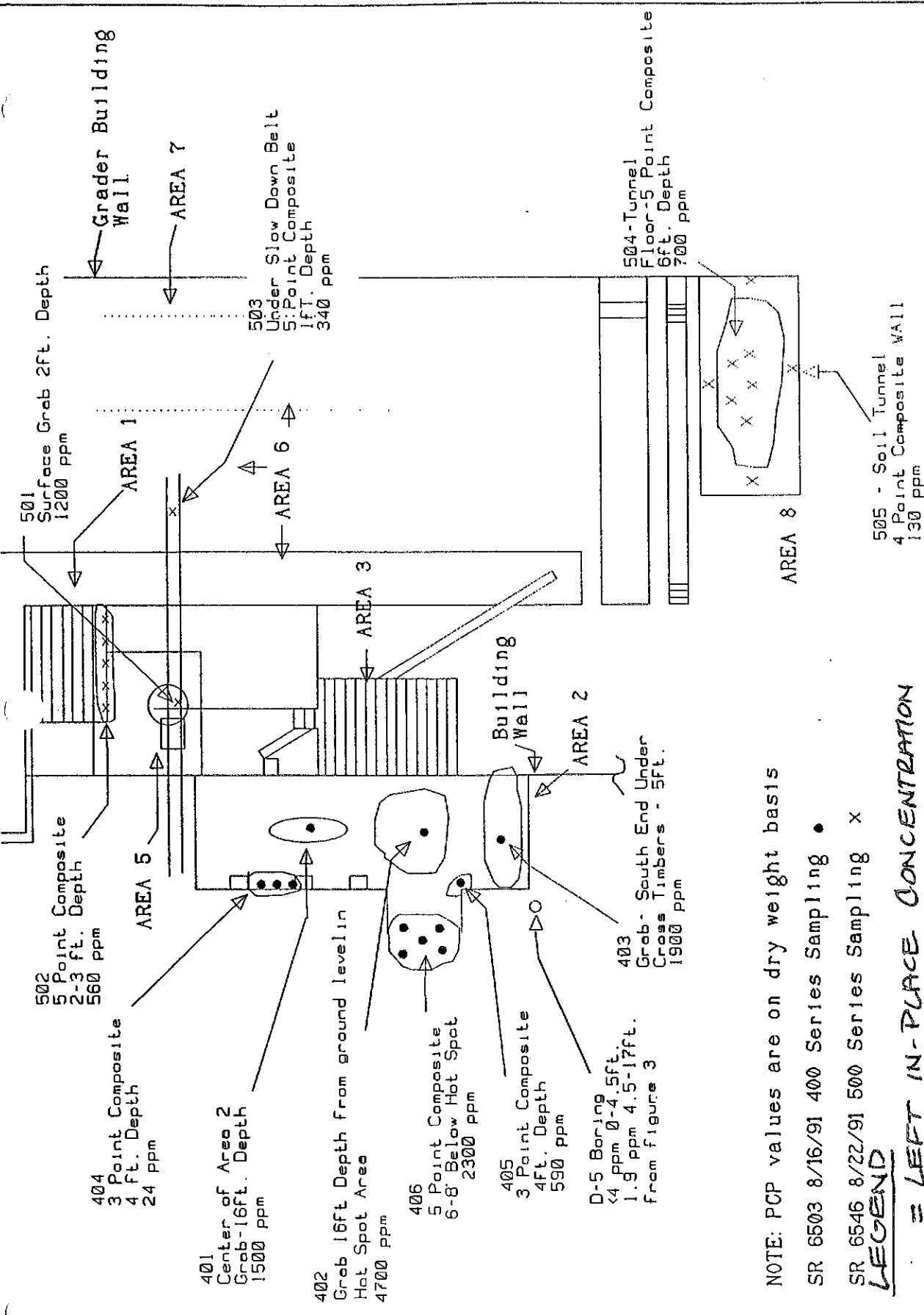
Concentrations in soil are on a dry weight basis

PPM = PARTS PER MILLION
PPB = PARTS PER BILLION
U = COMPOUND ANALYZED FOR WAS NOT DETECTED AT DETECTION LIMITS (method 8270)
J = INDICATES ESTIMATE VALUE UNDER QUANTITATION LIMITS

FIGURE B-7

Aberdeen Sawmill 1991 2nd-Excavation
PCP Water/Soil Sampling Locations
Areas 2 & 5

Weyerhaeuser
Environmental Sciences and Technology
Drawn By: GVR Checked JEM



NOTE: PCP values are on dry weight basis
 SR 6503 8/16/91 400 Series Sampling •
 SR 6546 8/22/91 500 Series Sampling x
LEGEND
 = LEFT IN-PLACE CONCENTRATION

FIGURE B-8
 Aberdeen Sawmill 1991 3rd-Excavation
 Confirmation Sampling Locations
 Areas 1.2.5.6 & 8 Cleanup

Weyerhaeuser
 Environmental Sciences and Technology
 Drawn By: GVR Checked: JEM

4-8 North East
Corner Greder
0.31 ppm - J

3-7 North West Corner
Greder Chain
Grab-Surface 0.47 ppm - J

5-9 Along Conveyor Clean Sand
& Building
1.8 ppm

SHED ROOF OVER
EXCAVATION SINCE
1991

OE 2 Clean Sand
North Wall of Area 3
3ft. Depth
2.1 ppm-B

1-Peripheral
1 ft. DEPTH
Composite Surface
290 ppm -D

2- Center
1 ft. Depth
Surface Composite
560 ppm -D

1ft. of SOIL REMOVED
Under Former
Stockpile
in Area 2

OE 5 Clean Sand
West Wall 3ft. Depth
5.5 ppm -B

OE 3
South Wall
3ft. Depth
1400 ppm -B

OE 4
Floor 5ft. Depth
6000 ppm -B

OE-1-East WALL
3ft. Depth
1000 ppm -B

EXTENT of AREA 3 EXCAVATION

LEGEND
= LEFT IN-PLACE CONCENTRATION

PCP content based on dry weight

SR 9727 9/15/17/92 Confirmation Samples Area 3

SR 9787 9/22/92 Confirmation Sample Area 2,5,6 & 7

FIGURE B-9
Aberdeen Sawmill Sampling Locations &
Confirmation of Cleanup Soils PCP Content
AREAS 2,3,4,6 & 7

Weyerhaeuser
Environmental Sciences and Technology
Drawn By: GVR Checked By: JEM

APPENDIX C
SOIL SAMPLING
LABORATORY REPORTS



ANALYTICAL LABORATORY SERVICES REQUEST

Weyerhaeuser Research and Development - Analysis and Testing

Request Number: 00909

Title: (12) ABERDEEN SAWMILL WASTE		
Number of Samples: 12	Project Number: 045-8727	Group: 1,3,4, FISH LAB
Date Received: 10/17/89	Date Desired: 10/20/89	Estimated Completion Date: 10/20/89
Submitted By: MC COURT, MICK	Location: WTC 2H4	Telephone: 6513
Reviewed By: CATALANO, Dennis	Location: 2F 25	Telephone: 924-6242
Copy To:		

**TEST(S)
ADDED**

Sample Description and History:

UPDATED
10/30

Series	Test Code - Report Range - Test Description
Group	Report Basis - Lower Limit of Sensitivity

1	A	VOA-SW	- ✓	- Volatiles (Method 8240) Solid Waste
1	B	BNACLP/S	- ✓	- Base Neutral Acid - Solid Waste (8270)
3	C	S-ICP	- ✓	- ICP Scan (Includes prep.)
3	D	EPT-EM	- ✓	- EP Toxicity (Extraction and metals)
4	E	BOD	- ✓	- TOTAL BOD5 (Biological Oxygen Demand)
4	E	BOD	- ✓	- DISSOLVED BOD5 (Biological Oxygen Demand)
3	E	SOLIDS/3	-	- SOLIDS
4	E	TDS	- ✓	- Solids, Dissolved
4	F	O+G	- ✓	- Oil and Grease

Interim Report Desired?	Hazardous Samples? Yes	No
Reference:	Record # 5790	
Results Approved: <i>[Signature]</i>	Date: 11/16/89	Signature applies to attached pages
		Page Number: 1



ANALYTICAL LABORATORY SERVICES REQUEST

Weyerhaeuser Research and Development - Analysis and Testing

Request Number: 00909

Series	Test Code - Report Range - Test Description
Group	Report Basis - Lower Limit of Sensitivity

G BIOASSAY - - Bioassay - Fish Lab
 0 -
 H TX - ✓ - TOTAL HALOGENS
 4 -
 I PH-W - ✓ - pH of waters
 4 -

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

38163	ABCDEF HI	WEY-AB-26-YELLOW-TANK ----- 10/16 1045
38164	ABCDE HI	WEY-AB-27-SMALLBWTANK ----- 10/16 1140
38165	ABCDEF HI	WEY-AB-28-BIGBWTANK ----- 10/16 1210
38166	BCD GH	WEY-AB-29-SURFACE 0-2" SITE3 ----- 10/16 1400
38167	BCD GH	WEY-AB-30-GRAB 2-6" SITE3 ----- 10/16 1405
38168	BCD GH	WEY-AB-31-SURFCOMP SITE4 ----- 10/16 1410
38169	BCD GH	WEY-AB-32-SCRAPINGS SITE5 ----- 10/16 1415
38170	BCD GH	WEY-AB-33-SAWDUST-CATCH SITE2 ----- 10/16 1420
38171	BCD GH	WEY-AB-34-DRUMWASTE SITE 1 ----- 10/16 1430
38172	BCD GH	WEY-AB-35-OLD-CONVEYOR-TRENCH SITE8 ----- 10/16 1440
38173	BCD GH	WEY-AB-36-SURFCOMP SITE6 ----- 10/16 1450
38174	BCD GH	WEY-AB-37-BROWN-FORMER-WP SITE7 ----- 10/16 1500

8790

WEYERHAEUSER TECHNOLOGY CENTER
 Analytical Laboratories
 Tacoma, Washington

Service Request 00909
 Page 1 of 1

REPORT

Sample Description	Analytical Lab Code	pH	TS mg/L	TDS mg/L	BOD5 mg/L	sol BOD5 mg/L	O&G mg/L	TX mg/L
WEY-AB-26-YELLOW TANK	38163	7.3	4660	2500	6240	4710	3010	32; 40
WEY-AB-27-SMALL BW TANK	38164	7.5	5040	3100	7700	6300	-	35
WEY-AB-28-BIG BW TANK	38165	7.0	4590 4460	2900 2600	7040	5300	2370	40; 42

NOTE: Freon extract for Oil and Grease (O&G) appears to be a waxy material.

1790

Notebook _____

Approved Maime Best Date 10-26-89 Page Number _____

WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Aberdeen Sawmill Waste
SR 00909
EP Toxicity Metals

	38163 WEYAB26	38163D dup	38164 WEYAB27	38165 WEYAB28	38166 WEYAB29	38166D dup	38167 WEYAB30
Element	(mg/L in the EP Toxicity extract)						
Ag	< .01	< .01	< .01	< .01	< .01	< .01	< .01
As	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Ba	0.8	0.8	1.3	2.3	< .5	< .5	< .5
Cd	< .01	< .01	< .01	< .01	< .01	< .01	< .01
Cr	< .01	< .01	< .01	< .01	< .01	< .01	< .01
Hg	< .0005	< .0005	< .0005	0.0024	< .0005	< .0005	< .0005
Pb	< .05	< .05	< .05	< .05	< .05	< .05	< .05
Se	< .1	< .1	< .1	< .1	< .1	< .1	< .1

	38168 WEYAB31	38169 WEYAB32	38170 WEYAB33	38171 WEYAB34	38172 WEYAB35	38173 WEYAB36	38174 WEYAB37
Element	(mg/L in the EP Toxicity extract)						
Ag	< .01	< .01	< .01	< .01	< .01	< .01	< .01
As	< .1	< .1	< .1	< .1	< .1	< .1	< .1
Ba	< .5	< .5	< .5	< .5	< .5	< .5	< .5
Cd	0.02	0.08	< .01	< .01	< .01	< .01	0.03
Cr	< .01	< .01	< .01	< .01	< .01	< .01	< .01
Hg	< .0005	< .0005	< .0005	< .0005	< .0005	< .0005	< .0005
Pb	< .05	0.10	< .05	< .05	< .05	< .05	< .05
Se	< .1	< .1	< .1	< .1	< .1	< .1	< .1

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WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Aberdeen Sawmill Waste
SR 00909
Total Metals

Element	38163 YLWTANK	38163D DUP	38164 SMBWTNK	38165 BGBWTNK	38166 SUR S3	38166D DUP
	(mg/kg, as rec'd basis)					
Ag	< 1	< 1	< 1	< 1	< 1	< 1
Al	6	5	< 5	< 5	237	126
As	< 10	< 10	< 10	< 10	< 10	< 10
Ba	16	12	11	11	3	2
Be	< 1	< 1	< 1	< 1	< 1	< 1
Ca	43	44	45	42	608	447
Cd	< 1	< 1	< 1	< 1	< 1	< 1
Co	< 1	< 1	< 1	< 1	< 1	< 1
Cr	< 1	< 1	< 1	< 1	3	2
Cu	< 1	< 1	< 1	< 1	6	7
Fe	93	86	33	28	1990	1730
K	< 50	< 50	< 50	< 50	92	84
Mg	8	8	5	7	90	64
Mn	< 1	< 1	< 1	< 1	12	9
Na	33	35	32	49	159	142
Ni	< 3	< 3	< 3	< 3	< 3	< 3
Pb	< 5	< 5	< 5	< 5	< 5	< 5
Sb	< 10	< 10	< 10	< 10	< 10	< 10
Se	< 10	< 10	< 10	< 10	< 10	< 10
Tl	< 10	< 10	< 10	< 10	< 10	< 10
V	< 1	< 1	< 1	< 1	1	< 1
Zn	< 1	< 1	< 1	< 1	55	47
% Solids	0.4	0.4	0.5	0.5	24.4	23.4

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WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Aberdeen Sawmill Waste
SR 00909
Total Metals

	38167	38168	38169	38171	38172	38173	38174
	GRAB S3	SURF S4	SCRA S5	DRUM S1	TREN S8	SURF S6	BRNWR S7
Element	(mg/kg, as rec'd basis)						
Ag	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Al	227	1090	1180	1220	108	6380	2630
As	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ba	4	7	16	9	2	62	63
Be	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ca	474	822	2280	1910	278	3530	2430
Cd	< 1	1	6	2	< 1	1	8
Co	< 1	< 1	2	3	< 1	3	4
Cr	11	11	40	23	2	27	31
Cu	24	20	63	56	6	375	152
Fe	4240	2890	8350	19400	2510	7990	25000
K	82	178	132	121	86	274	882
Mg	77	217	547	462	62	1580	751
Mn	17	33	56	106	36	172	168
Na	139	288	182	200	143	576	1050
Ni	3	< 3	6	13	< 3	8	24
Pb	10	21	448	31	< 5	91	84
Sb	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Se	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Tl	< 10	< 10	< 10	< 10	< 10	< 10	< 10
V	2	4	8	7	< 1	17	10
Zn	88	89	1580	273	40	500	664
% Solids	23.5	32.5	44.5	43.3	26.4	85.5	58.9

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WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Aberdeen Sawmill Waste
SR 00909
Total Metals

Element	38170	38170D
	SAWD S2	DUP
	(mg/kg, as rec'd basis)	
Ag	< 1	< 1
Al	44	78
Ba	3	3
Be	< 1	< 1
Ca	286	342
Cd	< 1	< 1
Co	< 1	< 1
Cr	< 1	< 1
Cu	< 1	2
Fe	202	425
K	204	243
Mg	49	67
Mn	21	32
Na	68	77
Ni	< 3	< 3
Pb	< 5	< 5
V	< 1	< 1
Zn	32	48
% Solids	85.4	85.2

Note: Due to the matrix of this sample, it had to be ashed prior to digestion for metals analysis, therefore none of the volatile metals can be reported.

Approved

Mary Beth Lanza

10/23/89

Notebook

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 38165

Client Sample ID: WEY-AB-28-BIGBWTANK

Request Number ID: 909

Sample Description: PAINT/WATER

Matrix: PAINT/WATER

Sample wt/vol: 4.0 G

Lab File ID: >B1671

Level: MED

Date Received: 10/17/89

Moisture: not dec. NA

Date Analyzed: 10/18/89

Column: CAP

Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5000.	U
74-83-9	Bromomethane	5000.	U
75-01-4	Vinyl Chloride	5000.	U
75-00-3	Chloroethane	5000.	U
75-09-2	Methylene Chloride	2500.	U
67-64-1	Acetone	5000.	U
75-15-0	Carbon Disulfide	2500.	U
75-35-4	1,1-Dichloroethene	2500.	U
75-34-3	1,1-Dichloroethane	2500.	U
540-59-0	1,2-Dichloroethane-total	2500.	U
67-66-3	Chloroform	2500.	U
107-02-2	1,2-Dichloroethane	2500.	U
78-93-3	2-Butanone	5000.	U
71-55-6	1,1,1-Trichloroethane	4400.	U
56-23-5	Carbon Tetrachloride	2500.	U
108-05-4	Vinyl Acetate	5000.	U
75-27-4	Bromodichloromethane	2500.	U
78-87-5	1,2-Dichloropropane	2500.	U
10061-01-5	cis-1,3-Dichloropropene	2500.	U
79-01-6	Trichloroethene	2500.	U
124-48-1	Dibromochloromethane	2500.	U
79-00-5	1,1,2-Trichloroethane	2500.	U
71-43-2	Benzene	2500.	U
10061-02-6	trans-1,3-Dichloropropene	2500.	U
75-25-2	Bromoform	2500.	U
108-10-1	4-Methyl-2-pentanone	5000.	U
591-78-6	2-Hexanone	5000.	U
127-18-4	Tetrachloroethene	2500.	U
79-34-5	1,1,2,2-Tetrachloroethane	2500.	U
108-88-3	Toluene	2500.	U
108-90-7	Chlorobenzene	2500.	U
100-41-4	Ethylbenzene	2500.	U
100-42-5	Styrene	2500.	U
133-02-7	Xylene-total	2500.	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Weyerhaeuser

Lab Sample ID: 38165

Client Sample ID: WEY-AB-28-BIGBWTANK

Request Number ID: 909

Sample Description: PAINT/WATER

Matrix: PAINT/WATER

Sample wt/vol: 4.0 G

Lab File ID: >B1671

Level: MED

Date Received: 10/17/89

Moisture: not dec. NA

Date Analyzed: 10/18/89

Column: CAP

Dilution Factor: 4.0

CONCENTRATION UNITS:

Number TICs found: 3

ug/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown C7H14	8.19	4300.	J
2. 108872	Cyclohexane, methyl-	9.81	4500.	J
3.	Unknown Hydrocarbon	11.08	2000.	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 38164

Client Sample ID: WEY-AB-27-SMALLBWTANK

Request Number ID: 909

Sample Description: PAINT/WATER

Matrix: PAINT/WATER

Sample wt/vol: 4.0 G

Lab File ID: >B1670

Level: MED

Date Received: 10/17/89

Moisture: not dec. NA

Date Analyzed: 10/18/89

Column: CAP

Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5000.	U
74-83-9	Bromomethane	5000.	U
75-01-4	Vinyl Chloride	5000.	U
75-00-3	Chloroethane	5000.	U
75-09-2	Methylene Chloride	2500.	U
67-64-1	Acetone	5000.	U
75-15-0	Carbon Disulfide	2500.	U
75-35-4	1,1-Dichloroethene	2500.	U
75-34-3	1,1-Dichloroethane	2500.	U
540-59-0	1,2-Dichloroethane-total	2500.	U
67-66-3	Chloroform	2500.	U
107-02-2	1,2-Dichloroethane	2500.	U
78-93-3	2-Butanone	5000.	U
71-55-6	1,1,1-Trichloroethane	15000.	U
56-23-5	Carbon Tetrachloride	2500.	U
108-05-4	Vinyl Acetate	5000.	U
75-27-4	Bromodichloromethane	2500.	U
78-87-5	1,2-Dichloropropane	2500.	U
10061-01-5	cis-1,3-Dichloropropene	2500.	U
79-01-6	Trichloroethene	2500.	U
124-48-1	Dibromochloromethane	2500.	U
79-00-5	1,1,2-Trichloroethane	2500.	U
71-43-2	Benzene	2500.	U
10061-02-6	trans-1,3-Dichloropropene	2500.	U
75-25-2	Bromoform	2500.	U
108-10-1	4-Methyl-2-pentanone	5000.	U
591-78-6	2-Hexanone	5000.	U
127-18-4	Tetrachloroethene	2500.	U
79-34-5	1,1,2,2-Tetrachloroethane	2500.	U
108-88-3	Toluene	2000.	J
108-90-7	Chlorobenzene	2500.	U
100-41-4	Ethylbenzene	2500.	U
100-42-5	Styrene	2500.	U
133-02-7	Xylene-total	2500.	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Weyerhaeuser
 Client Sample ID: WEY-AB-27-SMALLBWTANK
 Sample Description: PAINT/WATER
 Sample wt/vol: 4.0 G
 Level: MED
 Moisture: not dec. NA
 Column: CAP

Lab Sample ID: 38164
 Request Number ID: 909
 Matrix: PAINT/WATER
 Lab File ID: >B1670
 Date Received: 10/17/89
 Date Analyzed: 10/18/89
 Dilution Factor: 4.0

CONCENTRATION UNITS:
ug/KG

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown C7H14	8.23	6500.	J
2. 108872	Cyclohexane, methyl-	9.85	12000.	J
3.	Unknown C8H16	10.71	2500.	J
4.	Unknown C8H16	11.12	4500.	J
5.				
6.				
7.				
8.				
9.				
10.				

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 38163

Client Sample ID: WEY-AB-26-YELLOW-TANK

Request Number ID: 909

Sample Description: PAINT/WATER

Matrix: PAINT/WATER

Sample wt/vol: 4.0 G

Lab File ID: >B1669

Level: MED

Date Received: 10/17/89

Moisture: not dec. NA

Date Analyzed: 10/18/89

Column: CAP

Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5000.	U
74-83-9	Bromomethane	6000.	U
75-01-4	Vinyl Chloride	5000.	U
75-00-3	Chloroethane	5000.	U
75-09-2	Methylene Chloride	2500.	U
67-64-1	Acetone	5000.	U
75-15-0	Carbon Disulfide	2500.	U
75-35-4	1,1-Dichloroethene	2500.	U
75-34-3	1,1-Dichloroethane	2500.	U
540-59-0	1,2-Dichloroethane-total	2500.	U
67-66-3	Chloroform	2500.	U
107-02-2	1,2-Dichloroethane	2500.	U
78-93-3	2-Butanone	5000.	U
71-55-6	1,1,1-Trichloroethane	50000.	
56-23-5	Carbon Tetrachloride	2500.	U
108-05-4	Vinyl Acetate	5000.	U
75-27-4	Bromodichloromethane	2500.	U
78-87-5	1,2-Dichloropropane	2500.	U
10061-01-5	cis-1,3-Dichloropropene	2500.	U
79-01-6	Trichloroethene	2500.	U
124-48-1	Dibromochloromethane	2500.	U
79-00-5	1,1,2-Trichloroethane	2500.	U
71-43-2	Benzene	2500.	U
10061-02-6	trans-1,3-Dichloropropene	2500.	U
75-25-2	Bromoform	2500.	U
108-10-1	4-Methyl-2-pentanone	5000.	U
591-78-6	2-Hexanone	5000.	U
127-18-4	Tetrachloroethene	2500.	U
79-34-5	1,1,2,2-Tetrachloroethane	2500.	U
108-88-3	Toluene	2200.	J
108-90-7	Chlorobenzene	2500.	U
100-41-4	Ethylbenzene	2500.	U
100-42-5	Styrene	2500.	U
133-02-7	Xylene-total	2500.	U

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1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Weyerhaeuser
 Client Sample ID: WEY-AB-26-YELLOW-TANK
 Sample Description: PAINT/WATER
 Sample wt/vol: 4.0 G
 Level: MED
 Moisture: not dec. NA
 Column: CAP

Lab Sample ID: 38163
 Request Number ID: 909
 Matrix: PAINT/WATER
 Lab File ID: >B1669
 Date Received: 10/17/89
 Date Analyzed: 10/18/89
 Dilution Factor: 4.0

CONCENTRATION UNITS:
 ug/KG

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown C7H14	8.02	7800.	J
2. 108872	Cyclohexane, methyl-	9.68	9000.	J
3.	Unknown C8H16	10.99	3000.	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				

VOLATILE ORGANICS ANALYSIS DATA SHEET

Client Name: Weyerhaeuser

Lab Sample ID: VBLKS1

Client Sample ID: NA

Request Number ID: 909

Sample Description: METHOD BLANK

Matrix: PAINT/WATER

Sample wt/vol: 4.0 G

Lab File ID: >B1661

Level: MED

Date Received: NA

Moisture: not dec. NA

Date Analyzed: 10/18/89

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1300.	U
74-83-9	Bromomethane	1300.	U
75-01-4	Vinyl Chloride	1300.	U
75-00-3	Chloroethane	1300.	U
75-09-2	Methylene Chloride	630.	U
67-64-1	Acetone	1300.	U
75-15-0	Carbon Disulfide	630.	U
75-35-4	1,1-Dichloroethene	630.	U
75-34-3	1,1-Dichloroethane	630.	U
540-59-0	1,2-Dichloroethane-total	630.	U
67-66-3	Chloroform	630.	U
107-02-2	1,2-Dichloroethane	630.	U
78-93-3	2-Butanone	1300.	U
71-55-6	1,1,1-Trichloroethane	630.	U
56-23-5	Carbon Tetrachloride	630.	U
108-05-4	Vinyl Acetate	1300.	U
75-27-4	Bromodichloromethane	630.	U
78-87-5	1,2-Dichloropropane	630.	U
10061-01-5	cis-1,3-Dichloropropene	630.	U
79-01-6	Trichloroethene	630.	U
124-48-1	Dibromochloromethane	630.	U
79-00-5	1,1,2-Trichloroethane	630.	U
71-43-2	Benzene	630.	U
10061-02-6	trans-1,3-Dichloropropene	630.	U
75-25-2	Bromoform	630.	U
108-10-1	4-Methyl-2-pentanone	1300.	U
591-78-6	2-Hexanone	1300.	U
127-18-4	Tetrachloroethene	630.	U
79-34-5	1,1,2,2-Tetrachloroethane	630.	U
108-88-3	Toluene	630.	U
108-90-7	Chlorobenzene	630.	U
100-41-4	Ethylbenzene	630.	U
100-42-5	Styrene	630.	U
133-02-7	Xylene-total	630.	U

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: Weyerhaeuser
 Client Sample ID: NA
 Sample Description: METHOD BLANK
 Sample wt/vol: 4.0 G
 Level: MED
 Moisture: not dec. NA
 Column: CAP

Lab Sample ID: VBLKS1
 Request Number ID: 909
 Matrix: PAINT/WATER
 Lab File ID: >B1661
 Date Received: NA
 Date Analyzed: 10/18/89
 Dilution Factor: 1.0

Number TICs found: 0
 CONCENTRATION UNITS:
 ug/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

2B
SOIL VOLATILE SURROGATE RECOVERY

Sample Name: Weyerhaeuser

Contract: NA

Lab Code: Weyer

Case No.: NA

SAS No.: NA

SDG No.: NA

Level: (low/med) :

	EPA	S1	S2	S3	OTHER	TOT
	SAMPLE NO.	(TOL)#	(BFB)#	(DCE)#		OUT
	=====	=====	=====	=====	=====	=====
01	VBLKS4	96	93	82		0
02	38071MS	100	95	91		0
03	38071MSD	98	94	91		0
04	38092	96	93	96		0
05	38089	97	92	81		0
06	38093	101	94	97		0
07	38094	97	88	94		0
08	38095	105	99	74		0
09	38163	97	96	88		0
10	38164	101	96	96		0
11	38166	101	92	99		0
12	38283	96	93	94		0
13	38284	96	89	93		0
14	38286	100	92	100		0
15	38286	96	87	95		0
16	38287	99	89	99		0
17	38289	100	96	103		0
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

QC LIMITS

S1 (TOL) = Toluene-d8 (81-117)
 S2 (BFB) = Bromofluorobenzene (74-121)
 S3 (DCE) = 1,2-Dichloroethane-d4 (70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

26YELTNK

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDS No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38163

Sample wt/vol: 1.5 (g/mL) G

Lab File ID: 2BN1019B

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 0.99

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	13000	IU
111-44-4	bis(2-Chloroethyl) Ether	13000	IU
95-57-8	2-Chlorophenol	13000	IU
541-73-1	1,3-Dichlorobenzene	13000	IU
106-46-7	1,4-Dichlorobenzene	13000	IU
100-51-6	Benzyl Alcohol	13000	IU
95-50-1	1,2-Dichlorobenzene	13000	IU
95-48-7	2-Methylphenol	13000	IU
108-60-1	bis(2-Chloroisopropyl) Ether	13000	IU
106-44-5	4-Methylphenol	13000	IU
621-64-7	N-Nitroso-Di-n-Propylamine	13000	IU
67-72-1	Hexachloroethane	13000	IU
98-95-3	Nitrobenzene	13000	IU
78-59-1	Isophorone	13000	IU
88-75-5	2-Nitrophenol	13000	IU
105-67-9	2,4-Dimethylphenol	13000	IU
65-85-0	Benzoic Acid	63000	IU
111-91-1	bis(2-Chloroethoxy) Methane	13000	IU
120-83-2	2,4-Dichlorophenol	13000	IU
120-82-1	1,2,4-Trichlorobenzene	13000	IU
91-20-3	Naphthalene	9500	IJ
106-47-8	4-Chloroaniline	13000	IU
87-68-3	Hexachlorobutadiene	13000	IU
59-50-7	4-Chloro-3-Methylphenol	13000	IU
91-57-6	2-Methylnaphthalene	13000	IU
77-47-4	Hexachlorocyclopentadiene	13000	IU
98-06-2	2,4,6-Trichlorophenol	13000	IU
95-95-4	2,4,5-Trichlorophenol	63000	IU
91-58-7	2-Chloronaphthalene	13000	IU
88-74-4	2-Nitroaniline	63000	IU
131-11-3	Dimethyl Phthalate	13000	IU
208-96-8	Acenaphthylene	13000	IU
606-20-2	2,6-Dinitrotoluene	13000	IU

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

26YELTNK

b Name: WEYERHAEUSER

Contract:

b Code: WEYER

Case No.: 00909

SAS No.:

SDS No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38163

Sample wt/vol: 1.5 (g/mL) G

Lab File ID: 2BN10198

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

C Cleanup: (Y/N) N

pH:

Dilution Factor: 0.99

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

99-09-2	3-Nitroaniline	63000	IU
83-32-9	Acenaphthene	13000	IU
51-28-5	2,4-Dinitrophenol	63000	IU
100-02-7	4-Nitrophenol	63000	IU
132-64-9	Dibenzofuran	13000	IU
121-14-2	2,4-Dinitrotoluene	13000	IU
84-66-2	Diethylphthalate	13000	IU
7005-72-3	4-Chlorophenyl-phenylether	13000	IU
86-73-7	Fluorene	13000	IU
100-01-6	4-Nitroaniline	63000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	63000	IU
86-30-6	N-Nitrosodiphenylamine (1)	13000	IU
101-55-3	4-Bromophenyl-phenylether	13000	IU
118-74-1	Hexachlorobenzene	13000	IU
87-86-5	Pentachlorophenol	63000	IU
85-01-8	Phenanthrene	13000	IU
120-12-7	Anthracene	13000	IU
84-74-2	Di-n-Butylphthalate	13000	IU
206-44-0	Fluoranthene	13000	IU
129-00-0	Pyrene	13000	IU
85-68-7	Butylbenzylphthalate	13000	IU
91-94-1	3,3'-Dichlorobenzidine	26000	IU
56-55-3	Benzo(a)Anthracene	13000	IU
218-01-9	Chrysene	13000	IU
117-81-7	bis(2-Ethylhexyl)phthalate	13000	IU
117-84-0	Di-n-Octyl Phthalate	13000	IU
205-99-2	Benzo(b)Fluoranthene	13000	IU
207-08-9	Benzo(k)Fluoranthene	13000	IU
50-32-8	Benzo(a)Pyrene	13000	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	13000	IU
53-70-3	Dibenz(a,h)Anthracene	13000	IU
191-24-2	Benzo(g,h,i)Perylene	13000	IU

(1) - Cannot be separated from Diphenylamine

8790

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

26YELTNIK

Client Name: WEYERHAEUSER

Contract:

Client: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38163

Sample wt/vol: 1.5 (g/mL) G

Lab File ID: 2BN1019B

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

Cleanup: (Y/N) N

pH:

Dilution Factor: 0.99

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	23.79	44000	IJX
2.	54833-48-6 HEPTADECANE, 2,6,10,15-TETRA	25.04	130000	IJX
3.	629-97-0 DOCOSANE	26.22	590000	IJX
4.	UNKNOWN	27.36	660000	IJX
5.	UNKNOWN	28.46	750000	IJX
6.	UNKNOWN	29.06	48000	IJX
7.	629-99-2 PENTACOSANE	29.49	740000	IJX
8.	UNKNOWN	30.07	74000	IJX
9.	630-01-3 HEXACOSANE	30.51	690000	IJX
10.	UNKNOWN	31.07	40000	IJX
11.	UNKNOWN	31.17	34000	IJX
12.	UNKNOWN	31.49	790000	IJX
13.	UNKNOWN	32.04	94000	IJX
14.	630-02-4 OCTACOSANE	32.42	620000	IJX
15.	630-03-5 NONACOSANE	33.37	450000	IJX
16.	UNKNOWN	34.29	320000	IJX
17.	UNKNOWN	35.24	240000	IJX
18.	2425-85-6 12-NAPHTHALENOL, 1-[(4-METHYL	35.77	110000	IJX
19.	UNKNOWN	36.19	160000	IJX
20.	UNKNOWN	37.16	120000	IJX

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SMBWTK

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDS No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38164

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: 2BN1019C

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

Cleanup: (Y/N) N

pH:

Dilution Factor: 0.97

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2	Phenol	14000	IU
111-44-4	bis(2-Chloroethyl)Ether	14000	IU
95-57-8	2-Chlorophenol	14000	IU
541-73-1	1,3-Dichlorobenzene	14000	IU
106-46-7	1,4-Dichlorobenzene	14000	IU
100-51-6	Benzyl Alcohol	14000	IU
95-50-1	1,2-Dichlorobenzene	14000	IU
95-48-7	2-Methylphenol	14000	IU
108-60-1	bis(2-Chloroisopropyl)Ether	14000	IU
106-44-5	4-Methylphenol	14000	IU
621-64-7	N-Nitroso-Di-n-Propylamine	14000	IU
67-72-1	Hexachloroethane	14000	IU
98-95-3	Nitrobenzene	14000	IU
78-59-1	Isophorone	14000	IU
88-75-5	2-Nitrophenol	14000	IU
105-67-9	2,4-Dimethylphenol	14000	IU
65-85-0	Benzoic Acid	66000	IU
111-91-1	bis(2-Chloroethoxy)Methane	14000	IU
120-83-2	2,4-Dichlorophenol	14000	IU
120-82-1	1,2,4-Trichlorobenzene	14000	IU
91-20-3	Naphthalene	12000	IJ
106-47-8	4-Chloroaniline	14000	IU
87-68-3	Hexachlorobutadiene	14000	IU
59-50-7	4-Chloro-3-Methylphenol	14000	IU
91-57-6	2-Methylnaphthalene	1600	IJ
77-47-4	Hexachlorocyclopentadiene	14000	IU
88-06-2	2,4,6-Trichlorophenol	14000	IU
95-95-4	2,4,5-Trichlorophenol	66000	IU
91-58-7	2-Chloronaphthalene	14000	IU
88-74-4	2-Nitroaniline	66000	IU
131-11-3	Dimethyl Phthalate	14000	IU
208-96-8	Acenaphthylene	14000	IU
606-20-2	2,6-Dinitrotoluene	14000	IU

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

27SMBWTK

Name: WEYERHAEUSER

Contract:

Je: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38164

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: 2BN1019C

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

Cleanup: (Y/N) N

pH:

Dilution Factor: 0.97

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
99-09-2	3-Nitroaniline	66000	1U	
83-32-9	Acenaphthene	14000	1U	
51-28-5	2,4-Dinitrophenol	66000	1U	
100-02-7	4-Nitrophenol	66000	1U	
132-64-9	Dibenzofuran	14000	1U	
121-14-2	2,4-Dinitrotoluene	14000	1U	
84-66-2	Diethylphthalate	14000	1U	
7005-72-3	4-Chlorophenyl-phenylether	14000	1U	
86-73-7	Fluorene	14000	1U	
100-01-6	4-Nitroaniline	66000	1U	
534-52-1	4,6-Dinitro-2-Methylphenol	66000	1U	
86-30-6	N-Nitrosodiphenylamine (1)	14000	1U	
101-55-3	4-Bromophenyl-phenylether	14000	1U	
118-74-1	Hexachlorobenzene	14000	1U	
87-86-5	Pentachlorophenol	66000	1U	
85-01-8	Phenanthrene	14000	1U	
120-12-7	Anthracene	14000	1U	
84-74-2	Di-n-Butylphthalate	14000	1U	
206-44-0	Fluoranthene	14000	1U	
129-00-0	Pyrene	14000	1U	
85-68-7	Butylbenzylphthalate	14000	1U	
91-94-1	3,3'-Dichlorobenzidine	27000	1U	
56-55-3	Benzo(a)Anthracene	14000	1U	
218-01-9	Chrysene	14000	1U	
117-81-7	bis(2-Ethylhexyl)phthalate	14000	1U	
117-84-0	Di-n-Octyl Phthalate	14000	1U	
205-99-2	Benzo(b)Fluoranthene	14000	1U	
207-08-9	Benzo(k)Fluoranthene	14000	1U	
50-32-8	Benzo(a)Pyrene	14000	1U	
193-39-5	Indeno(1,2,3-cd)Pyrene	14000	1U	
53-70-3	Dibenz(a,h)Anthracene	14000	1U	
191-24-2	Benzo(g,h,i)Perylene	14000	1U	

(1) - Cannot be separated from Diphenylamine

5790

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

275MBWTK

b Name: WEYERHAEUSER

Contract:

b Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38164

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: 2BN1019C

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

Cleanup: (Y/N) N pH:

Dilution Factor: 0.97

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	23.79	44000	IJX
2.	UNKNOWN	25.02	110000	IJX
3. 629-97-0	DOCOSANE	26.21	410000	IJX
4.	UNKNOWN	27.34	460000	IJX
5.	UNKNOWN	27.99	36000	IJX
6.	UNKNOWN	28.42	540000	IJX
7.	UNKNOWN	29.06	39000	IJX
8. 629-99-2	PENTACOSANE	29.47	520000	IJX
9.	UNKNOWN	30.07	58000	IJX
10. 630-01-3	HEXACOSANE	30.49	430000	IJX
11.	UNKNOWN	31.07	30000	IJX
12. 593-49-7	HEPTACOSANE	31.46	440000	IJX
13.	UNKNOWN	32.04	81000	IJX
14. 630-02-4	OCTACOSANE	32.41	440000	IJX
15. 630-03-5	NONACOSANE	33.36	290000	IJX
16.	UNKNOWN	34.27	220000	IJX
17.	UNKNOWN	35.22	180000	IJX
18. 2425-85-6	12-NAPHTHALENOL, 1-[(4-METHYL	35.74	87000	IJX
19.	UNKNOWN	36.16	140000	IJX
20.	UNKNOWN	37.16	110000	IJX

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

28BGBWTK

Name: WEYERHAEUSER

Contract:

Site: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38165

Sample wt/vol: 1.8 (g/mL) G

Lab File ID: ZBN1019D

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

Cleanup: (Y/N) N

pH:

Dilution Factor: 0.99

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-95-2	Phenol	11000	IU	
111-44-4	bis(2-Chloroethyl)Ether	11000	IU	
95-57-8	2-Chlorophenol	11000	IU	
541-73-1	1,3-Dichlorobenzene	11000	IU	
106-46-7	1,4-Dichlorobenzene	11000	IU	
100-51-6	Benzyl Alcohol	11000	IU	
95-50-1	1,2-Dichlorobenzene	11000	IU	
95-48-7	2-Methylphenol	11000	IU	
108-60-1	bis(2-Chloroisopropyl)Ether	11000	IU	
106-44-5	4-Methylphenol	11000	IU	
621-64-7	N-Nitroso-Di-n-Propylamine	11000	IU	
67-72-1	Hexachloroethane	11000	IU	
98-95-3	Nitrobenzene	11000	IU	
78-59-1	Isophorone	11000	IU	
88-75-5	2-Nitrophenol	11000	IU	
105-67-9	2,4-Dimethylphenol	11000	IU	
65-85-0	Benzoic Acid	53000	IU	
111-91-1	bis(2-Chloroethoxy)Methane	11000	IU	
120-83-2	2,4-Dichlorophenol	11000	IU	
120-82-1	1,2,4-Trichlorobenzene	11000	IU	
91-20-3	Naphthalene	3100	IJ	
106-47-8	4-Chloroaniline	11000	IU	
87-68-3	Hexachlorobutadiene	11000	IU	
59-50-7	4-Chloro-3-Methylphenol	11000	IU	
91-57-6	2-Methylnaphthalene	1300	IJ	
77-47-4	Hexachlorocyclopentadiene	11000	IU	
88-06-2	2,4,6-Trichlorophenol	11000	IU	
95-95-4	2,4,5-Trichlorophenol	53000	IU	
91-58-7	2-Chloronaphthalene	11000	IU	
88-74-4	2-Nitroaniline	53000	IU	
131-11-3	Dimethyl Phthalate	11000	IU	
208-96-8	Acenaphthylene	11000	IU	
606-20-2	2,6-Dinitrotoluene	11000	IU	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

28BGBWTK

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38165

Sample wt/vol: 1.8 (g/mL) G

Lab File ID: 2BN1019D

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

Cleanup: (Y/N) N

pH:

Dilution Factor: 0.99

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	53000	IU
83-32-9	Acenaphthene	11000	IU
51-28-5	2,4-Dinitrophenol	53000	IU
100-02-7	4-Nitrophenol	53000	IU
132-64-9	Dibenzofuran	11000	IU
121-14-2	2,4-Dinitrotoluene	11000	IU
84-66-2	Diethylphthalate	11000	IU
7005-72-3	4-Chlorophenyl-phenylether	11000	IU
86-73-7	Fluorene	11000	IU
100-01-6	4-Nitroaniline	53000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	53000	IU
86-30-6	N-Nitrosodiphenylamine (1)	11000	IU
101-55-3	4-Bromophenyl-phenylether	11000	IU
118-74-1	Hexachlorobenzene	11000	IU
87-86-5	Pentachlorophenol	53000	IU
85-01-8	Phenanthrene	11000	IU
120-12-7	Anthracene	11000	IU
84-74-2	Di-n-Butylphthalate	11000	IU
206-44-0	Fluoranthene	11000	IU
129-00-0	Pyrene	11000	IU
85-68-7	Butylbenzylphthalate	11000	IU
91-94-1	3,3'-Dichlorobenzidine	22000	IU
56-55-3	Benzo(a)Anthracene	11000	IU
218-01-9	Chrysene	11000	IU
117-81-7	bis(2-Ethylhexyl)phthalate	11000	IU
117-84-0	Di-n-Octyl Phthalate	11000	IU
205-99-2	Benzo(b)Fluoranthene	11000	IU
207-08-9	Benzo(k)Fluoranthene	11000	IU
50-32-8	Benzo(a)Pyrene	11000	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	11000	IU
53-70-3	Dibenz(a,h)Anthracene	11000	IU
191-24-2	Benzo(g,h,i)Perylene	11000	IU

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(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

28BGBWTK

Name: WEYERHAEUSER

Contract:

Name: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38165

Sample wt/vol: 1.8 (g/mL) G

Lab File ID: 2BN1019D

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

Cleanup: (Y/N) N

pH:

Dilution Factor: 0.99

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	23.80	55000	IJX
2.	UNKNOWN	25.04	130000	IJX
3. 629-97-0	DODCOSANE	26.22	540000	IJX
	UNKNOWN	27.36	580000	IJX
	UNKNOWN	28.46	700000	IJX
6. 629-99-2	PENTACOSANE	29.49	660000	IJX
7.	UNKNOWN	30.07	48000	IJX
8. 630-01-3	HEXACOSANE	30.51	590000	IJX
9.	UNKNOWN	31.07	41000	IJX
10.	UNKNOWN	31.49	670000	IJX
11.	UNKNOWN	32.04	95000	IJX
12. 630-02-4	OCTACOSANE	32.42	520000	IJX
13.	UNKNOWN	32.99	66000	IJX
14. 630-03-5	NONACOSANE	33.37	410000	IJX
15.	UNKNOWN	34.29	300000	IJX
16.	UNKNOWN	35.24	230000	IJX
17. 2425-85-6	12-NAPHTHALENOL, 1-(4-METHYL	35.77	140000	IJX
18.	UNKNOWN	36.19	180000	IJX
19.	UNKNOWN	37.17	140000	IJX
20.	UNKNOWN	38.27	94000	IJX

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

29550283

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38166

Sample wt/vol: 25.7 (g/mL) G

Lab File ID: 2BN1022C

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
108-95-2	Phenol	770	IU	
111-44-4	bis(2-Chloroethyl)Ether	770	IU	
95-57-8	2-Chlorophenol	770	IU	
541-73-1	1,3-Dichlorobenzene	770	IU	
106-46-7	1,4-Dichlorobenzene	770	IU	
100-51-6	Benzyl Alcohol	770	IU	
95-50-1	1,2-Dichlorobenzene	770	IU	
95-48-7	2-Methylphenol	770	IU	
108-60-1	bis(2-Chloroisopropyl)Ether	770	IU	
106-44-5	4-Methylphenol	770	IU	
621-64-7	N-Nitroso-Di-n-Propylamine	770	IU	
67-72-1	Hexachloroethane	770	IU	
98-95-3	Nitrobenzene	770	IU	
78-59-1	Isophorone	770	IU	
88-75-5	2-Nitrophenol	770	IU	
105-67-9	2,4-Dimethylphenol	770	IU	
65-85-0	Benzoic Acid	3700	IU	
111-91-1	bis(2-Chloroethoxy)Methane	770	IU	
120-83-2	2,4-Dichlorophenol	770	IU	
120-82-1	1,2,4-Trichlorobenzene	770	IU	
91-20-3	Naphthalene	770	IU	
106-47-8	4-Chloroaniline	770	IU	
87-68-3	Hexachlorobutadiene	770	IU	
59-50-7	4-Chloro-3-Methylphenol	770	IU	
91-57-6	2-Methylnaphthalene	770	IU	
77-47-4	Hexachlorocyclopentadiene	770	IU	
88-06-2	2,4,6-Trichlorophenol	770	IU	
95-95-4	2,4,5-Trichlorophenol	3700	IU	
91-58-7	2-Chloronaphthalene	770	IU	
88-74-4	2-Nitroaniline	3700	IU	
131-11-3	Dimethyl Phthalate	770	IU	
208-96-8	Acenaphthylene	770	IU	
606-20-2	2,6-Dinitrotoluene	770	IU	

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

29SS0293

b Name: WEYERHAEUSER

Contract:

b Site: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38166

Sample wt/vol: 25.7 (g/mL) G

Lab File ID: 2BN1022C

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3700	1U
83-32-9	Acenaphthene	770	1U
51-28-5	2,4-Dinitrophenol	3700	1U
100-02-7	4-Nitrophenol	3700	1U
132-64-9	Dibenzofuran	770	1U
121-14-2	2,4-Dinitrotoluene	770	1U
84-66-2	Diethylphthalate	770	1U
7005-72-3	4-Chlorophenyl-phenylether	770	1U
86-73-7	Fluorene	770	1U
100-01-6	4-Nitroaniline	3700	1U
534-52-1	4,6-Dinitro-2-Methylphenol	3700	1U
86-30-6	N-Nitrosodiphenylamine (1)	770	1U
101-55-3	4-Bromophenyl-phenylether	770	1U
118-74-1	Hexachlorobenzene	770	1U
87-86-5	Pentachlorophenol	4300	1U
85-01-8	Phenanthrene	770	1U
120-12-7	Anthracene	770	1U
84-74-2	Di-n-Butylphthalate	770	1U
206-44-0	Fluoranthene	770	1U
129-00-0	Pyrene	770	1U
85-68-7	Butylbenzylphthalate	770	1U
91-94-1	3,3'-Dichlorobenzidine	1500	1U
56-55-3	Benzo(a)Anthracene	770	1U
218-01-9	Chrysene	770	1U
117-81-7	bis(2-Ethylhexyl)phthalate	1700	1B
117-84-0	Di-n-Octyl Phthalate	770	1U
205-99-2	Benzo(b)Fluoranthene	770	1U
207-08-9	Benzo(k)Fluoranthene	770	1U
50-32-8	Benzo(a)Pyrene	770	1U
193-39-5	Indeno(1,2,3-cd)Pyrene	770	1U
53-70-3	Dibenz(a,h)Anthracene	770	1U
191-24-2	Benzo(g,h,i)Perylene	770	1U

1) - Cannot be separated from Diphenylamine

8790

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

29580283

Lab Name: WEYERHAEUSER Contract: _____
 Lab Code: WEYER Case No.: 00909 SAS No.: _____ SDG No.: 38163
 Matrix: (soil/water) SOIL Lab Sample ID: 38166
 Sample wt/vol: 25.7 (g/mL) G Lab File ID: 2BN1022C
 Level: (low/med) LOW Date Received: 10/17/89
 Moisture: not dec. dec. Date Extracted: 10/19/89
 Fraction: (SepF/Cont/Sonc) Date Analyzed: 10/22/89
 Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

Number TICs found: 19 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 3779-61-1	1,3,6-OCTATRIENE, 3,7-DIMETH	6.20	6700	IJX
2. 629-59-4	TETRADECANE	15.09	2900	IJX
3.	UNKNOWN	23.39	18000	IJX
4.	UNKNOWN	23.49	5300	IJX
5.	UNKNOWN	23.57	4000	IJX
6.	UNKNOWN	23.77	6500	IJX
7.	UNKNOWN	24.24	10000	IJX
8.	UNKNOWN	24.29	2600	IJX
9.	UNKNOWN	24.64	19000	IJX
10.	UNKNOWN	24.84	37000	IJX
11.	UNKNOWN	25.22	17000	IJX
12.	UNKNOWN	25.27	2900	IJX
13.	UNKNOWN	25.41	4300	IJX
14.	UNKNOWN	25.52	4900	IJX
15.	UNKNOWN	27.69	4200	IJX
16.	UNKNOWN	34.07	2900	IJX
17.	UNKNOWN	35.26	4200	IJX
18.	UNKNOWN	36.04	1700	IJX
19.	UNKNOWN	36.12	4400	IJX

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

30GB2653

b Name: WEYERHAEUSER

Contract:

b Name: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38167

Sample wt/vol: 22.9 (g/mL) G

Lab File ID: 2BN1022D

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	860	IU
111-44-4	bis(2-Chloroethyl)Ether	860	IU
95-57-8	2-Chlorophenol	860	IU
541-73-1	1,3-Dichlorobenzene	860	IU
106-46-7	1,4-Dichlorobenzene	860	IU
100-51-6	Benzyl Alcohol	860	IU
95-50-1	1,2-Dichlorobenzene	860	IU
95-48-7	2-Methylphenol	860	IU
108-60-1	bis(2-Chloroisopropyl)Ether	860	IU
106-44-5	4-Methylphenol	860	IU
621-64-7	N-Nitroso-Di-n-Propylamine	860	IU
67-72-1	Hexachloroethane	860	IU
98-95-3	Nitrobenzene	860	IU
78-59-1	Isophorone	860	IU
88-75-5	2-Nitrophenol	860	IU
105-67-9	2,4-Dimethylphenol	860	IU
65-85-0	Benzoic Acid	4200	IU
111-91-1	bis(2-Chloroethoxy)Methane	860	IU
120-83-2	2,4-Dichlorophenol	860	IU
120-82-1	1,2,4-Trichlorobenzene	860	IU
91-20-3	Naphthalene	860	IU
106-47-8	4-Chloroaniline	860	IU
87-68-3	Hexachlorobutadiene	860	IU
59-50-7	4-Chloro-3-Methylphenol	860	IU
91-57-6	2-Methylnaphthalene	860	IU
77-47-4	Hexachlorocyclopentadiene	860	IU
88-06-2	2,4,6-Trichlorophenol	860	IU
95-95-4	2,4,5-Trichlorophenol	400	IJ
91-58-7	2-Chloronaphthalene	860	IU
88-74-4	2-Nitroaniline	4200	IU
131-11-3	Dimethyl Phthalate	860	IU
208-96-8	Acenaphthylene	860	IU
606-20-2	2,6-Dinitrotoluene	860	IU

4790

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

30GB2653

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38167

Sample wt/vol: 22.9 (g/mL) G

Lab File ID: 2BN1022D

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4200	IU
83-32-9	Acenaphthene	860	IU
51-28-5	2,4-Dinitrophenol	4200	IU
100-02-7	4-Nitrophenol	4200	IU
132-64-9	Dibenzofuran	860	IU
121-14-2	2,4-Dinitrotoluene	860	IU
84-66-2	Diethylphthalate	860	IU
7005-72-3	4-Chlorophenyl-phenylether	860	IU
86-73-7	Fluorene	860	IU
100-01-6	4-Nitroaniline	4200	IU
534-52-1	4,6-Dinitro-2-Methylphenol	4200	IU
86-30-6	N-Nitrosodiphenylamine (1)	860	IU
101-55-3	4-Bromophenyl-phenylether	860	IU
118-74-1	Hexachlorobenzene	630	IJ
87-86-5	Pentachlorophenol	56000	IE
85-01-8	Phenanthrene	860	IU
120-12-7	Anthracene	860	IU
84-74-2	Di-n-Butylphthalate	860	IU
206-44-0	Fluoranthene	860	IU
129-00-0	Pyrene	860	IU
85-68-7	Butylbenzylphthalate	860	IU
91-94-1	3,3'-Dichlorobenzidine	1700	IU
56-55-3	Benzo(a)Anthracene	860	IU
218-01-9	Chrysene	860	IU
117-81-7	bis(2-Ethylhexyl)phthalate	3600	IB
117-84-0	Di-n-Octyl Phthalate	860	IU
205-99-2	Benzo(b)Fluoranthene	860	IU
207-08-9	Benzo(k)Fluoranthene	860	IU
50-32-8	Benzo(a)Pyrene	860	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	860	IU
53-70-3	Dibenz(a,h)Anthracene	860	IU
191-24-2	Benzo(g,h,i)Perylene	860	IU

(1) - Cannot be separated from Diphenylamine

4790

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

30GB2653

b Name: WEYERHAEUSER

Contract:

b Name: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38167

Sample wt/vol: 22.9 (g/mL) G

Lab File ID: 2BN1022D

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	17.72	6500	IJX
2.	UNKNOWN	24.79	8700	IJX
3. 18733-57-8	SILANE, TRICHLOROEICOSYL-	29.54	16000	IJX
	UNKNOWN	31.36	15000	IJX
	UNKNOWN	31.71	10000	IJX
	UNKNOWN	32.09	14000	IJX
	UNKNOWN	32.26	18000	IJX
	UNKNOWN	32.54	110000	IJX
	UNKNOWN	32.66	6100	IJX
	UNKNOWN	32.86	87000	IJX
	UNKNOWN	33.04	17000	IJX
	UNKNOWN	33.39	20000	IJX
	UNKNOWN	33.82	19000	IJX
	UNKNOWN	34.22	39000	IJX
	UNKNOWN	34.42	36000	IJX
	UNKNOWN	34.66	16000	IJX
	UNKNOWN	34.82	7700	IJX
	UNKNOWN	35.22	9800	IJX
	UNKNOWN	35.34	12000	IJX
	UNKNOWN	36.11	17000	IJX

*790

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

306B26S3DL

Lab Name: WEYERHAEUSER Contract:
 Lab Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163
 Matrix: (soil/water) SOIL Lab Sample ID: 38167DL
 Sample wt/vol: 22.9 (g/mL) G Lab File ID: 2BN1023C
 Level: (low/med) LOW Date Received: 10/17/89
 Moisture: not dec. dec. Date Extracted: 10/19/89
 Extraction: (SepF/Cont/Sonc) Date Analyzed: 10/23/89
 GC Cleanup: (Y/N) Y pH: Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	8600	IU
111-44-4	bis(2-Chloroethyl) Ether	8600	IU
95-57-8	2-Chlorophenol	8600	IU
541-73-1	1,3-Dichlorobenzene	8600	IU
106-46-7	1,4-Dichlorobenzene	8600	IU
100-51-6	Benzyl Alcohol	8600	IU
95-50-1	1,2-Dichlorobenzene	8600	IU
95-48-7	2-Methylphenol	8600	IU
108-60-1	bis(2-Chloroisopropyl) Ether	8600	IU
106-44-5	4-Methylphenol	8600	IU
621-64-7	N-Nitroso-Di-n-Propylamine	8600	IU
67-72-1	Hexachloroethane	8600	IU
98-95-3	Nitrobenzene	8600	IU
78-59-1	Isophorone	8600	IU
88-75-5	2-Nitrophenol	8600	IU
105-67-9	2,4-Dimethylphenol	8600	IU
65-85-0	Benzoic Acid	42000	IU
111-91-1	bis(2-Chloroethoxy) Methane	8600	IU
120-83-2	2,4-Dichlorophenol	8600	IU
120-82-1	1,2,4-Trichlorobenzene	8600	IU
91-20-3	Naphthalene	8600	IU
106-47-8	4-Chloroaniline	8600	IU
87-68-3	Hexachlorobutadiene	8600	IU
59-50-7	4-Chloro-3-Methylphenol	8600	IU
91-57-6	2-Methylnaphthalene	8600	IU
77-47-4	Hexachlorocyclopentadiene	8600	IU
88-06-2	2,4,6-Trichlorophenol	8600	IU
95-95-4	2,4,5-Trichlorophenol	42000	IU
91-58-7	2-Chloronaphthalene	8600	IU
88-74-4	2-Nitroaniline	42000	IU
131-11-3	Dimethyl Phthalate	8600	IU
208-96-8	Acenaphthylene	8600	IU
606-20-2	2,6-Dinitrotoluene	8600	IU

4790

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EEA SAMPLE NO.

30GB26S3DL

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDS No.: 3B163

Matrix: (soil/water) SOIL

Lab Sample ID: 3B167DL

Sample wt/vol: 22.9 (g/mL) G

Lab File ID: 2BN1023C

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

PC Cleanup: (Y/N) Y pH:

Dilution Factor: 5.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	42000	IU
83-32-9	Acenaphthene	8600	IU
51-28-5	2,4-Dinitrophenol	42000	IU
100-02-7	4-Nitrophenol	42000	IU
132-64-9	Dibenzofuran	8600	IU
121-14-2	2,4-Dinitrotoluene	8600	IU
84-66-2	Diethylphthalate	8600	IU
7005-72-3	4-Chlorophenyl-phenylether	8600	IU
86-73-7	Fluorene	8600	IU
100-01-6	4-Nitroaniline	42000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	42000	IU
86-30-6	N-Nitrosodiphenylamine (1)	8600	IU
101-55-3	4-Bromophenyl-phenylether	8600	IU
118-74-1	Hexachlorobenzene	8600	IU
87-86-5	Pentachlorophenol	44000	ID
85-01-8	Phenanthrene	8600	IU
120-12-7	Anthracene	8600	IU
84-74-2	Di-n-Butylphthalate	8600	IU
206-44-0	Fluoranthene	8600	IU
129-00-0	Pyrene	8600	IU
85-68-7	Butylbenzylphthalate	8600	IU
91-94-1	3,3'-Dichlorobenzidine	17000	IU
56-55-3	Benzo(a)Anthracene	8600	IU
218-01-9	Chrysene	8600	IU
117-81-7	bis(2-Ethylhexyl)phthalate	8600	IU
117-84-0	Di-n-Octyl Phthalate	8600	IU
205-99-2	Benzo(b)Fluoranthene	8600	IU
207-08-9	Benzo(k)Fluoranthene	8600	IU
50-32-8	Benzo(a)Pyrene	8600	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	8600	IU
53-70-3	Dibenz(a,h)Anthracene	8600	IU
191-24-2	Benzo(g,h,i)Perylene	8600	IU

1) - Cannot be separated from Diphenylamine

5790

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

306B26S3DL

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38167DL

Sample wt/vol: 22.9 (g/mL) G

Lab File ID: 2BN1023C

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

GC Cleanup: (Y/N) Y pH:

Dilution Factor: 5.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

31SFCPS4

Name: WEYERHAEUSER

Contract:

Site: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38168

Sample wt/vol: 22.4 (g/mL) B

Lab File ID: 2BN1022E

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	880	U
111-44-4	bis(2-Chloroethyl)Ether	880	U
95-57-8	2-Chlorophenol	880	U
541-73-1	1,3-Dichlorobenzene	880	U
106-46-7	1,4-Dichlorobenzene	880	U
100-51-6	Benzyl Alcohol	880	U
95-50-1	1,2-Dichlorobenzene	880	U
95-48-7	2-Methylphenol	880	U
108-60-1	bis(2-Chloroisopropyl)Ether	880	U
106-44-5	4-Methylphenol	880	U
621-64-7	N-Nitroso-Di-n-Propylamine	880	U
67-72-1	Hexachloroethane	880	U
98-95-3	Nitrobenzene	880	U
78-59-1	Isophorone	880	U
88-75-5	2-Nitrophenol	880	U
105-67-9	2,4-Dimethylphenol	880	U
65-85-0	Benzoic Acid	2200	U
111-91-1	bis(2-Chloroethoxy)Methane	880	U
120-83-2	2,4-Dichlorophenol	880	U
120-82-1	1,2,4-Trichlorobenzene	880	U
91-20-3	Naphthalene	880	U
106-47-8	4-Chloroaniline	880	U
87-68-3	Hexachlorobutadiene	880	U
59-50-7	4-Chloro-3-Methylphenol	880	U
91-57-6	2-Methylnaphthalene	880	U
77-47-4	Hexachlorocyclopentadiene	880	U
88-06-2	2,4,6-Trichlorophenol	880	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	880	U
88-74-4	2-Nitroaniline	4300	U
131-11-3	Dimethyl Phthalate	880	U
208-96-8	Acenaphthylene	880	U
606-20-2	2,6-Dinitrotoluene	880	U

790

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

31SF0PS4

Lab Name: WEYERHAEUSER Contract: _____
 Lab Code: WEYER Case No.: 00909 SAS No.: _____ SDG No.: 38163
 Matrix: (soil/water) SOIL Lab Sample ID: 38168
 Sample wt/vol: 22.4 (g/mL) G Lab File ID: 2BN1022E
 Level: (low/med) LOW Date Received: 10/17/89
 Moisture: not dec. dec. Date Extracted: 10/19/89
 Extraction: (SepF/Cont/Sonc) Date Analyzed: 10/22/89
 Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
99-09-2	3-Nitroaniline	4300	IU	
83-32-9	Acenaphthene	880	IU	
51-28-5	2,4-Dinitrophenol	4300	IU	
100-02-7	4-Nitrophenol	4300	IU	
132-64-9	Dibenzofuran	880	IU	
121-14-2	2,4-Dinitrotoluene	880	IU	
84-66-2	Diethylphthalate	880	IU	
7005-72-3	4-Chlorophenyl-phenylether	880	IU	
86-73-7	Fluorene	880	IU	
100-01-6	4-Nitroaniline	4300	IU	
534-52-1	4,6-Dinitro-2-Methylphenol	4300	IU	
86-30-6	N-Nitrosodiphenylamine (1)	880	IU	
101-55-3	4-Bromophenyl-phenylether	880	IU	
118-74-1	Hexachlorobenzene	880	IU	
87-86-5	Pentachlorophenol	1900000	IE	
85-01-8	Phenanthrene	340	IJ	
120-12-7	Anthracene	880	IU	
84-74-2	Di-n-Butylphthalate	880	IU	
206-44-0	Fluoranthene	880	IU	
129-00-0	Pyrene	880	IU	
85-68-7	Butylbenzylphthalate	880	IU	
91-94-1	3,3'-Dichlorobenzidine	1800	IU	
56-55-3	Benzo(a)Anthracene	880	IU	
218-01-9	Chrysene	880	IU	
117-81-7	bis(2-Ethylhexyl)phthalate	880	IU	
117-84-0	Di-n-Octyl Phthalate	880	IU	
205-99-2	Benzo(b)Fluoranthene	880	IU	
207-08-9	Benzo(k)Fluoranthene	880	IU	
50-32-8	Benzo(a)Pyrene	880	IU	
193-39-5	Indeno(1,2,3-cd)Pyrene	880	IU	
53-70-3	Dibenz(a,h)Anthracene	880	IU	
191-24-2	Benzo(g,h,i)Perylene	880	IU	

(1) - Cannot be separated from Diphenylamine

8790

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

318FCPS4

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38168

Sample wt/vol: 22.4 (g/mL) G

Lab File ID: 2BN1022E

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	ALPHA-PINENE (ACN)	6.20	4000	JX
2. 637-88-7	1,4-CYCLOHEXANEDIONE	12.32	44000	JX
3. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	17.85	57000	JX
55045-07-3	DODECANE, 2-METHYL-8-PROPYL-	19.90	3000	JX
	UNKNOWN	23.24	8000	JX
	UNKNOWN	23.49	5500	JX
7. 6738-04-1	1,1'-BIPHENYL, 2-PHENOXY-	23.95	26000	JX
8.	UNKNOWN	24.64	2200	JX
9.	UNKNOWN	24.92	90000	JX
10.	UNKNOWN	29.62	12000	JX
11.	UNKNOWN	30.17	14000	JX
12.	UNKNOWN	31.26	5700	JX
13.	UNKNOWN	32.09	7400	JX
14.	UNKNOWN	32.59	100000	JX
15.	UNKNOWN	32.92	110000	JX
16.	UNKNOWN	33.81	5100	JX
17.	UNKNOWN	33.86	2400	JX
18.	UNKNOWN	34.24	49000	JX
19.	UNKNOWN	34.44	56000	JX
20.	UNKNOWN	34.76	16000	JX

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

31SFCPS4DL

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38168DL

Sample wt/vol: 22.4 (g/mL) G

Lab File ID: 2BN1023D

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 100

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	180000	U
111-44-4	bis(2-Chloroethyl)Ether	180000	U
95-57-8	2-Chlorophenol	180000	U
541-73-1	1,3-Dichlorobenzene	180000	U
106-46-7	1,4-Dichlorobenzene	180000	U
100-51-6	Benzyl Alcohol	180000	U
95-50-1	1,2-Dichlorobenzene	180000	U
95-48-7	2-Methylphenol	180000	U
108-60-1	bis(2-Chloroisopropyl)Ether	180000	U
106-44-5	4-Methylphenol	180000	U
621-64-7	N-Nitroso-Di-n-Propylamine	180000	U
67-72-1	Hexachloroethane	180000	U
98-95-3	Nitrobenzene	180000	U
78-59-1	Isophorane	180000	U
88-75-5	2-Nitrophenol	180000	U
105-67-9	2,4-Dimethylphenol	180000	U
65-85-0	Benzoic Acid	860000	U
111-91-1	bis(2-Chloroethoxy)Methane	180000	U
120-83-2	2,4-Dichlorophenol	180000	U
120-82-1	1,2,4-Trichlorobenzene	180000	U
91-20-3	Naphthalene	180000	U
106-47-8	4-Chloroaniline	180000	U
87-68-3	Hexachlorobutadiene	180000	U
59-50-7	4-Chloro-3-Methylphenol	180000	U
91-57-6	2-Methylnaphthalene	180000	U
77-47-4	Hexachlorocyclopentadiene	180000	U
88-06-2	2,4,6-Trichlorophenol	180000	U
95-95-4	2,4,5-Trichlorophenol	860000	U
91-58-7	2-Chloronaphthalene	180000	U
88-74-4	2-Nitroaniline	860000	U
131-11-3	Dimethyl Phthalate	180000	U
208-96-8	Acenaphthylene	180000	U
606-20-2	2,6-Dinitrotoluene	180000	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

31SFCFS4DL

Lab Name: WEYERHAEUSER

Contract:

Lab: WEYER

Case No.: 00909

SAS No.:

SDS No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38168DL

Sample wt/vol: 22.4 (g/mL) G

Lab File ID: 2BN1023D

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 100

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	860000	U
83-32-9	Acenaphthene	180000	U
51-28-5	2,4-Dinitrophenol	860000	U
100-02-7	4-Nitrophenol	860000	U
132-64-9	Dibenzofuran	180000	U
121-14-2	2,4-Dinitrotoluene	180000	U
84-66-2	Diethylphthalate	180000	U
7005-72-3	4-Chlorophenyl-phenylether	180000	U
86-73-7	Fluorene	180000	U
100-01-6	4-Nitroaniline	860000	U
534-52-1	4,6-Dinitro-2-Methylphenol	860000	U
86-30-6	N-Nitrosodiphenylamine (1)	180000	U
101-55-3	4-Bromophenyl-phenylether	180000	U
118-74-1	Hexachlorobenzene	180000	U
87-86-5	Pentachlorophenol	750000	DJ
85-01-8	Phenanthrene	180000	U
120-12-7	Anthracene	180000	U
84-74-2	Di-n-Butylphthalate	180000	U
206-44-0	Fluoranthene	180000	U
129-00-0	Pyrene	180000	U
85-68-7	Butylbenzylphthalate	180000	U
91-94-1	3,3'-Dichlorobenzidine	350000	U
56-55-3	Benzo(a)Anthracene	180000	U
218-01-9	Chrysene	180000	U
117-81-7	bis(2-Ethylhexyl)phthalate	180000	U
117-84-0	Di-n-Octyl Phthalate	180000	U
205-99-2	Benzo(b)Fluoranthene	180000	U
207-08-9	Benzo(k)Fluoranthene	180000	U
50-32-8	Benzo(a)Pyrene	180000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	180000	U
53-70-3	Dibenz(a,h)Anthracene	180000	U
191-24-2	Benzo(g,h,i)Perylene	180000	U

1) - Cannot be separated from Diphenylamine

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

31SFCPS4DL

Name: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38168DL

Sample wt/vol: 22.4 (g/mL) G

Lab File ID: 2BN1023D

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 100

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

32SCRF55

b Name: WEYERHAEUSER

Contract:

Site: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38169

Sample wt/vol: 20.1 (g/mL) G

Lab File ID: 2BN1022F

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	980	U
111-44-4	bis(2-Chloroethyl)Ether	980	U
95-57-8	2-Chlorophenol	980	U
541-73-1	1,3-Dichlorobenzene	980	U
106-46-7	1,4-Dichlorobenzene	980	U
100-51-6	Benzyl Alcohol	980	U
95-50-1	1,2-Dichlorobenzene	980	U
95-48-7	2-Methylphenol	980	U
108-60-1	bis(2-Chloroisopropyl)Ether	980	U
106-44-5	4-Methylphenol	980	U
621-64-7	N-Nitroso-Di-n-Propylamine	980	U
67-72-1	Hexachloroethane	980	U
98-95-3	Nitrobenzene	980	U
78-59-1	Isophorone	980	U
88-75-5	2-Nitrophenol	980	U
105-67-9	2,4-Dimethylphenol	980	U
65-85-0	Benzoic Acid	4800	U
111-91-1	bis(2-Chloroethoxy)Methane	980	U
120-83-2	2,4-Dichlorophenol	980	U
120-82-1	1,2,4-Trichlorobenzene	980	U
91-20-3	Naphthalene	980	U
106-47-8	4-Chloroaniline	980	U
87-68-3	Hexachlorobutadiene	980	U
59-50-7	4-Chloro-3-Methylphenol	980	U
91-57-6	2-Methylnaphthalene	980	U
77-47-4	Hexachlorocyclopentadiene	980	U
88-06-2	2,4,6-Trichlorophenol	980	U
95-95-4	2,4,5-Trichlorophenol	970	U
91-58-7	2-Chloronaphthalene	980	U
88-74-4	2-Nitroaniline	4800	U
131-11-3	Dimethyl Phthalate	980	U
208-96-8	Acenaphthylene	980	U
606-20-2	2,6-Dinitrotoluene	980	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

325CRF55

b Name: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38169

Sample wt/vol: 20.1 (g/mL) G

Lab File ID: 2BN1022F

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4800	IU
83-32-9	Acenaphthene	980	IU
51-28-5	2,4-Dinitrophenol	4800	IU
100-02-7	4-Nitrophenol	4800	IU
132-64-9	Dibenzofuran	980	IU
121-14-2	2,4-Dinitrotoluene	980	IU
84-66-2	Diethylphthalate	980	IU
7005-72-3	4-Chlorophenyl-phenylether	980	IU
86-73-7	Fluorene	980	IU
100-01-6	4-Nitroaniline	4800	IU
534-52-1	4,6-Dinitro-2-Methylphenol	4800	IU
86-30-6	N-Nitrosodiphenylamine (1)	980	IU
101-55-3	4-Bromophenyl-phenylether	980	IU
118-74-1	Hexachlorobenzene	980	IU
87-86-5	Pentachlorophenol	120000	IE
85-01-8	Phenanthrene	430	IJ
120-12-7	Anthracene	980	IU
84-74-2	Di-n-Butylphthalate	980	IU
206-44-0	Fluoranthene	980	IU
129-00-0	Pyrene	980	IU
85-68-7	Butylbenzylphthalate	980	IU
91-94-1	3,3'-Dichlorobenzidine	2000	IU
56-55-3	Benzo(a)Anthracene	980	IU
218-01-9	Chrysene	980	IU
117-81-7	bis(2-Ethylhexyl)phthalate	6700	IB
117-84-0	Di-n-Octyl Phthalate	980	IU
205-99-2	Benzo(b)Fluoranthene	980	IU
207-08-9	Benzo(k)Fluoranthene	980	IU
50-32-8	Benzo(a)Pyrene	980	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	980	IU
53-70-3	Dibenz(a,h)Anthracene	980	IU
191-24-2	Benzo(g,h,i)Perylene	980	IU

(1) - Cannot be separated from Diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

32SCRF55

Client Name: WEYERHAEUSER

Contract:

Client: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38169

Sample wt/vol: 20.1 (g/mL) G

Lab File ID: 2BN1022F

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	29.62	23000	IJX
2.	UNKNOWN	31.41	17000	IJX
3.	UNKNOWN	32.31	20000	IJX
4.	UNKNOWN	32.52	36000	IJX
5.	UNKNOWN	32.69	5500	IJX
6.	UNKNOWN	32.84	12000	IJX
7.	UNKNOWN	32.94	9500	IJX
8.	UNKNOWN	33.07	25000	IJX
9.	UNKNOWN	33.16	8900	IJX
10.	UNKNOWN	33.31	12000	IJX
11.	UNKNOWN	33.44	19000	IJX
12.	UNKNOWN	33.67	4900	IJX
13.	UNKNOWN	33.86	23000	IJX
14.	UNKNOWN	34.17	22000	IJX
15.	UNKNOWN	34.27	12000	IJX
16.	UNKNOWN	34.44	8600	IJX
17.	UNKNOWN	34.66	6700	IJX
18.	UNKNOWN	34.84	11000	IJX
19.	UNKNOWN	35.24	9800	IJX
20.	UNKNOWN	35.36	9200	IJX

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32SCRPS5DL

Lab Name: WEYERHAEUSER Contract: _____
 Lab Code: WEYER Case No.: 00909 SAS No.: _____ SDG No.: 38163
 Matrix: (soil/water) SOIL Lab Sample ID: 38169DL
 Sample wt/vol: 20.1 (g/mL) G Lab File ID: 2BN1023E
 Level: (low/med) LOW Date Received: 10/17/89
 Moisture: not dec. dec. Date Extracted: 10/19/89
 Extraction: (SepF/Cont/Sonc) Date Analyzed: 10/23/89
 Cleanup: (Y/N) Y pH: _____ Dilution Factor: 6.5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG @

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	@
108-95-2	Phenol	12000	IU
111-44-4	bis(2-Chloroethyl)Ether	12000	IU
95-57-8	2-Chlorophenol	12000	IU
541-73-1	1,3-Dichlorobenzene	12000	IU
106-46-7	1,4-Dichlorobenzene	12000	IU
100-51-6	Benzyl Alcohol	12000	IU
95-50-1	1,2-Dichlorobenzene	12000	IU
95-48-7	2-Methylphenol	12000	IU
108-60-1	bis(2-Chloroisopropyl)Ether	12000	IU
106-44-5	4-Methylphenol	12000	IU
621-64-7	N-Nitroso-Di-n-Propylamine	12000	IU
67-72-1	Hexachloroethane	12000	IU
98-95-3	Nitrobenzene	12000	IU
78-59-1	Isophorone	12000	IU
88-75-5	2-Nitrophenol	12000	IU
105-67-9	2,4-Dimethylphenol	12000	IU
65-85-0	Benzoic Acid	60000	IU
111-91-1	bis(2-Chloroethoxy)Methane	12000	IU
120-83-2	2,4-Dichlorophenol	12000	IU
120-82-1	1,2,4-Trichlorobenzene	12000	IU
91-20-3	Naphthalene	12000	IU
106-47-8	4-Chloroaniline	12000	IU
87-68-3	Hexachlorobutadiene	12000	IU
59-50-7	4-Chloro-3-Methylphenol	12000	IU
91-57-6	2-Methylnaphthalene	12000	IU
77-47-4	Hexachlorocyclopentadiene	12000	IU
88-06-2	2,4,6-Trichlorophenol	12000	IU
95-95-4	2,4,5-Trichlorophenol	60000	IU
91-58-7	2-Chloronaphthalene	12000	IU
88-74-4	2-Nitroaniline	60000	IU
131-11-3	Dimethyl Phthalate	12000	IU
208-96-8	Acenaphthylene	12000	IU
606-20-2	2,6-Dinitrotoluene	12000	IU

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

32SCRPS5DL

Name: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38169DL

Sample wt/vol: 20.1 (g/mL) B

Lab File ID: 2BN1023E

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 6.5

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	60000	U
83-32-9	Acenaphthene	12000	U
51-28-5	2,4-Dinitrophenol	60000	U
100-02-7	4-Nitrophenol	60000	U
132-64-9	Dibenzofuran	12000	U
121-14-2	2,4-Dinitrotoluene	12000	U
84-66-2	Diethylphthalate	12000	U
7005-72-3	4-Chlorophenyl-phenylether	12000	U
86-73-7	Fluorene	12000	U
100-01-6	4-Nitroaniline	60000	U
534-52-1	4,6-Dinitro-2-Methylphenol	60000	U
86-30-6	N-Nitrosodiphenylamine (1)	12000	U
101-55-3	4-Bromophenyl-phenylether	12000	U
118-74-1	Hexachlorobenzene	12000	U
87-86-5	Pentachlorophenol	88000	D
85-01-8	Phenanthrene	12000	U
120-12-7	Anthracene	12000	U
84-74-2	Di-n-Butylphthalate	12000	U
206-44-0	Fluoranthene	12000	U
129-00-0	Pyrene	12000	U
85-68-7	Butylbenzylphthalate	12000	U
91-94-1	3,3'-Dichlorobenzidine	25000	U
56-55-3	Benzo(a)Anthracene	12000	U
218-01-9	Chrysene	12000	U
117-81-7	bis(2-Ethylhexyl)phthalate	9900	BDJ
117-84-0	Di-n-Octyl Phthalate	12000	U
205-99-2	Benzo(b)Fluoranthene	12000	U
207-08-9	Benzo(k)Fluoranthene	12000	U
50-32-8	Benzo(a)Pyrene	12000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	12000	U
53-70-3	Dibenz(a,h)Anthracene	12000	U
191-24-2	Benzo(g,h,i)Perylene	12000	U

1) - Cannot be separated from Diphenylamine

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

326CRP95DL

Lab Name: WEYERHAEUSER Contract:
Lab Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163
Matrix: (soil/water) SOIL Lab Sample ID: 38169DL
Sample wt/vol: 20.1 (g/mL) G Lab File ID: 2BN1023E
Level: (low/med) LOW Date Received: 10/17/89
Moisture: not dec. dec. Date Extracted: 10/19/89
Extraction: (SepF/Cont/Sonc) Date Analyzed: 10/23/89
GC Cleanup: (Y/N) Y pH: Dilution Factor: 6.5

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

33SDCHS2

Lab Name: WEYERHAEUSER

Contract:

Lab: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38170

Sample wt/vol: 10.7 (g/mL) G

Lab File ID: 2BN1023I

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sanc)

Date Analyzed: 10/24/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1800	U
111-44-4	bis(2-Chloroethyl) Ether	1800	U
95-57-8	2-Chlorophenol	1800	U
541-73-1	1,3-Dichlorobenzene	1800	U
106-46-7	1,4-Dichlorobenzene	1800	U
100-51-6	Benzyl Alcohol	1800	U
95-50-1	1,2-Dichlorobenzene	1800	U
95-48-7	2-Methylphenol	1800	U
108-60-1	bis(2-Chloroisopropyl) Ether	1800	U
106-44-5	4-Methylphenol	1800	U
621-64-7	N-Nitroso-Di-n-Propylamine	1800	U
67-72-1	Hexachloroethane	1800	U
98-95-3	Nitrobenzene	1800	U
78-59-1	Isophorone	1800	U
88-75-5	2-Nitrophenol	1800	U
105-67-9	2,4-Dimethylphenol	1800	U
65-85-0	Benzoic Acid	9000	U
111-91-1	bis(2-Chloroethoxy) Methane	1800	U
120-83-2	2,4-Dichlorophenol	1800	U
120-82-1	1,2,4-Trichlorobenzene	1800	U
91-20-3	Naphthalene	1800	U
106-47-8	4-Chloroaniline	1800	U
87-68-3	Hexachlorobutadiene	1800	U
59-50-7	4-Chloro-3-Methylphenol	1800	U
91-57-6	2-Methylnaphthalene	1800	U
77-47-4	Hexachlorocyclopentadiene	1800	U
88-06-2	2,4,6-Trichlorophenol	1800	U
95-95-4	2,4,5-Trichlorophenol	9000	U
91-58-7	2-Chloronaphthalene	1800	U
88-74-4	2-Nitroaniline	9000	U
131-11-3	Dimethyl Phthalate	1800	U
208-96-8	Acenaphthylene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U

5790

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

339DCHS2

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38170

Sample wt/vol: 10.7 (g/mL) G

Lab File ID: 2BN10231

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/24/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	9000	IU
83-32-9	Acenaphthene	1800	IU
51-28-5	2,4-Dinitrophenol	9000	IU
100-02-7	4-Nitrophenol	9000	IU
132-64-9	Dibenzofuran	1800	IU
121-14-2	2,4-Dinitrotoluene	1800	IU
84-66-2	Diethylphthalate	1800	IU
7005-72-3	4-Chlorophenyl-phenylether	1800	IU
86-73-7	Fluorene	1800	IU
100-01-6	4-Nitroaniline	9000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	9000	IU
86-30-6	N-Nitrosodiphenylamine (1)	1800	IU
101-55-3	4-Bromophenyl-phenylether	1800	IU
118-74-1	Hexachlorobenzene	1800	IU
87-86-5	Pentachlorophenol	3000	IJ
85-01-8	Phenanthrene	1800	IU
120-12-7	Anthracene	1800	IU
84-74-2	Di-n-Butylphthalate	1800	IU
206-44-0	Fluoranthene	1800	IU
129-00-0	Pyrene	1800	IU
85-68-7	Butylbenzylphthalate	1800	IU
91-94-1	3,3'-Dichlorobenzidine	3700	IU
56-55-3	Benzo(a)Anthracene	1800	IU
218-01-9	Chrysene	1800	IU
117-81-7	bis(2-Ethylhexyl)phthalate	1800	IU
117-84-0	Di-n-Octyl Phthalate	1800	IU
205-99-2	Benzo(b)Fluoranthene	1800	IU
207-08-9	Benzo(k)Fluoranthene	1800	IU
50-32-8	Benzo(a)Pyrene	1800	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	1800	IU
53-70-3	Dibenz(a,h)Anthracene	1800	IU
191-24-2	Benzo(g,h,i)Perylene	1800	IU

(1) - Cannot be separated from Diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

33SDCHS2

Client Name: WEYERHAEUSER

Contract:

Client: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38170

Sample wt/vol: 10.7 (g/mL) G

Lab File ID: 2BN10231

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/24/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 3779-61-1	1,3,6-OCTATRIENE, 3,7-DIMETH	6.27	250000	IJX
2.	UNKNOWN	24.09	41000	IJX
3.	UNKNOWN	24.27	140000	IJX
	UNKNOWN	24.95	420000	IJX
4. 41756-14-3	1,8A(2H)-PHENANTHRENOL, 7-ETHE	25.26	67000	IJX
5.	UNKNOWN	25.91	45000	IJX
6.	UNKNOWN	25.97	43000	IJX
7. 629-97-0	DODECOSANE	26.29	42000	IJX
8.	UNKNOWN	26.91	46000	IJX
9.	UNKNOWN	27.42	130000	IJX
10.	UNKNOWN	27.89	73000	IJX
11.	UNKNOWN	28.51	92000	IJX
12.	UNKNOWN	29.62	170000	IJX
13.	UNKNOWN	30.07	240000	IJX
14.	UNKNOWN	30.51	520000	IJX
15.	UNKNOWN	30.69	110000	IJX
16. 629-99-2	PENTACOSANE	31.62	51000	IJX
17.	UNKNOWN	32.56	34000	IJX
18. 630-02-4	OCTACOSANE	32.82	52000	IJX
19.	UNKNOWN	33.47	21000	IJX
20. 630-03-5	NONACOSANE			

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRMWSTS1

b Name: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38171

Sample wt/vol: 22.0 (g/mL) B

Lab File ID: ZBN1023J

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/24/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG @

108-95-2	Phenol	900	U
111-44-4	bis(2-Chloroethyl)Ether	900	U
95-57-8	2-Chlorophenol	900	U
541-73-1	1,3-Dichlorobenzene	900	U
106-46-7	1,4-Dichlorobenzene	900	U
100-51-6	Benzyl Alcohol	900	U
95-50-1	1,2-Dichlorobenzene	900	U
95-48-7	2-Methylphenol	900	U
108-60-1	bis(2-Chloroisopropyl)Ether	900	U
106-44-5	4-Methylphenol	900	U
621-64-7	N-Nitroso-Di-n-Propylamine	900	U
67-72-1	Hexachloroethane	900	U
98-95-3	Nitrobenzene	900	U
78-59-1	Isophorone	900	U
88-75-5	2-Nitrophenol	900	U
105-67-9	2,4-Dimethylphenol	900	U
65-85-0	Benzoic Acid	4400	U
111-91-1	bis(2-Chloroethoxy)Methane	900	U
120-83-2	2,4-Dichlorophenol	900	U
120-82-1	1,2,4-Trichlorobenzene	900	U
91-20-3	Naphthalene	900	U
106-47-8	4-Chloroaniline	900	U
87-68-3	Hexachlorobutadiene	900	U
59-50-7	4-Chloro-3-Methylphenol	900	U
91-57-6	2-Methylnaphthalene	900	U
77-47-4	Hexachlorocyclopentadiene	900	U
88-06-2	2,4,6-Trichlorophenol	900	U
95-95-4	2,4,5-Trichlorophenol	4400	U
91-58-7	2-Chloronaphthalene	900	U
88-74-4	2-Nitroaniline	4400	U
131-11-3	Dimethyl Phthalate	900	U
208-96-8	Acenaphthylene	900	U
606-20-2	2,6-Dinitrotoluene	900	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DRMWSTS1

Company Name: WEYERHAEUSER

Contract:

Client: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38171

Sample wt/vol: 22.0 (g/mL) G

Lab File ID: 2BN1023J

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/24/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4400	IU
83-32-9	Acenaphthene	900	IU
51-28-5	2,4-Dinitrophenol	4400	IU
100-02-7	4-Nitrophenol	4400	IU
132-64-9	Dibenzofuran	900	IU
121-14-2	2,4-Dinitrotoluene	900	IU
84-66-2	Diethylphthalate	900	IU
7005-72-3	4-Chlorophenyl-phenylether	900	IU
86-73-7	Fluorene	900	IU
100-01-6	4-Nitroaniline	4400	IU
534-52-1	4,6-Dinitro-2-Methylphenol	4400	IU
86-30-6	N-Nitrosodiphenylamine (1)	900	IU
101-55-3	4-Bromophenyl-phenylether	900	IU
118-74-1	Hexachlorobenzene	900	IU
87-86-5	Pentachlorophenol	4400	IU
85-01-8	Phenanthrene	900	IU
120-12-7	Anthracene	900	IU
84-74-2	Di-n-Butylphthalate	900	IU
206-44-0	Fluoranthene	900	IU
129-00-0	Pyrene	900	IU
85-68-7	Butylbenzylphthalate	950	I
91-94-1	3,3'-Dichlorobenzidine	1800	IU
56-55-3	Benzo(a)Anthracene	900	IU
218-01-9	Chrysene	900	IU
117-81-7	bis(2-Ethylhexyl)phthalate	900	IU
117-84-0	Di-n-Octyl Phthalate	900	IU
205-99-2	Benzo(b)Fluoranthene	900	IU
207-08-9	Benzo(k)Fluoranthene	900	IU
50-32-8	Benzo(a)Pyrene	900	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	900	IU
53-70-3	Dibenz(a,h)Anthracene	900	IU
191-24-2	Benzo(g,h,i)Perylene	900	IU

(1) - Cannot be separated from Diphenylamine

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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

DRMWSTS1

Lab Name: WEYERHAEUSER Contract:
 Lab Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163
 Matrix: (soil/water) SOIL Lab Sample ID: 38171
 Sample wt/vol: 22.0 (g/mL) G Lab File ID: 2BN1023J
 Level: (low/med) LOW Date Received: 10/17/89
 Moisture: not dec. dec. Date Extracted: 10/19/89
 Extraction: (SepF/Cont/Sonc) Date Analyzed: 10/24/89
 GC Cleanup: (Y/N) Y pH: Dilution Factor: 0.50

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	ALPHA.-PINENE (ACN)	6.20	22000	IJX
2. 871-83-0	NONANE, 2-METHYL-	9.57	2400	IJX
3. 637-88-7	1,4-CYCLOHEXANEDIONE	12.74	1600	IJX
	UNKNOWN	13.17	92000	IJX
	UNKNOWN	15.15	25000	IJX
6.	UNKNOWN	15.25	25000	IJX
7.	UNKNOWN	17.69	14000	IJX
8.	UNKNOWN	23.92	54000	IJX
9.	UNKNOWN	24.14	63000	IJX
10.	UNKNOWN	24.90	75000	IJX
11.	UNKNOWN	25.11	3300	IJX
12. 930-02-9	OCTADECANE, 1-(ETHENYLOXY)-	25.14	1700	IJX
13.	UNKNOWN	25.17	3200	IJX
14.	UNKNOWN	25.34	6500	IJX
15.	UNKNOWN	26.94	4800	IJX
16.	UNKNOWN	27.02	4100	IJX
17.	UNKNOWN	27.59	9000	IJX
18.	UNKNOWN	29.76	15000	IJX
19.	UNKNOWN	30.01	35000	IJX
20.	UNKNOWN	30.27	5900	IJX

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DCLUTNSB

b Name: WEYERHAEUSER

Contract:

b Site: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38172

Sample wt/vol: 24.2 (g/mL) G

Lab File ID: 2BN1023A

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG @

108-95-2	Phenol	820	U
111-44-4	bis(2-Chloroethyl)Ether	820	U
95-57-8	2-Chlorophenol	820	U
541-73-1	1,3-Dichlorobenzene	820	U
106-46-7	1,4-Dichlorobenzene	820	U
100-51-6	Benzyl Alcohol	820	U
95-50-1	1,2-Dichlorobenzene	820	U
95-48-7	2-Methylphenol	820	U
108-60-1	bis(2-Chloroisopropyl)Ether	820	U
106-44-5	4-Methylphenol	820	U
621-64-7	N-Nitroso-Di-n-Propylamine	820	U
67-72-1	Hexachloroethane	820	U
98-95-3	Nitrobenzene	820	U
78-59-1	Isophorone	820	U
88-75-5	2-Nitrophenol	820	U
105-67-9	2,4-Dimethylphenol	820	U
65-85-0	Benzoic Acid	440	U
111-91-1	bis(2-Chloroethoxy)Methane	820	U
120-83-2	2,4-Dichlorophenol	820	U
120-82-1	1,2,4-Trichlorobenzene	820	U
91-20-3	Naphthalene	820	U
106-47-8	4-Chloroaniline	820	U
87-68-3	Hexachlorobutadiene	820	U
59-50-7	4-Chloro-3-Methylphenol	820	U
91-57-6	2-Methylnaphthalene	820	U
77-47-4	Hexachlorocyclopentadiene	820	U
88-06-2	2,4,6-Trichlorophenol	820	U
95-95-4	2,4,5-Trichlorophenol	4000	U
91-58-7	2-Chloronaphthalene	820	U
88-74-4	2-Nitroaniline	4000	U
131-11-3	Dimethyl Phthalate	820	U
208-96-8	Acenaphthylene	820	U
606-20-2	2,6-Dinitrotoluene	820	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OCLUTNSB

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38172

Sample wt/vol: 24.2 (g/mL) G

Lab File ID: 2BN1023A

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG @

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	@
99-09-2	3-Nitroaniline	4000	IU
83-32-9	Acenaphthene	820	IU
51-28-5	2,4-Dinitrophenol	4000	IU
100-02-7	4-Nitrophenol	160	IJ
132-64-9	Dibenzofuran	820	IU
121-14-2	2,4-Dinitrotoluene	820	IU
84-66-2	Diethylphthalate	820	IU
7005-72-3	4-Chlorophenyl-phenylether	820	IU
86-73-7	Fluorene	820	IU
100-01-6	4-Nitroaniline	4000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	4000	IU
86-30-6	N-Nitrosodiphenylamine (1)	820	IU
101-55-3	4-Bromophenyl-phenylether	820	IU
118-74-1	Hexachlorobenzene	820	IU
87-86-5	Pentachlorophenol	550000	IE
85-01-8	Phenanthrene	110	IJ
120-12-7	Anthracene	820	IU
84-74-2	Di-n-Butylphthalate	820	IU
206-44-0	Fluoranthene	820	IU
129-00-0	Pyrene	88	IJ
85-68-7	Butylbenzylphthalate	820	IU
91-94-1	3,3'-Dichlorobenzidine	1600	IU
56-55-3	Benzo(a)Anthracene	820	IU
218-01-9	Chrysene	820	IU
117-81-7	bis(2-Ethylhexyl)phthalate	4800	IB
117-84-0	Di-n-Octyl Phthalate	820	IU
205-99-2	Benzo(b)Fluoranthene	820	IU
207-08-9	Benzo(k)Fluoranthene	820	IU
50-32-8	Benzo(a)Pyrene	820	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	820	IU
53-70-3	Dibenz(a,h)Anthracene	820	IU
191-24-2	Benzo(g,h,i)Perylene	820	IU

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(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

OCLUTNSB

Name: WEYERHAEUSER

Contract:

Client: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38172

Sample wt/vol: 24.2 (g/mL) G

Lab File ID: 2BN1023A

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	9.25	2600	1JX
2. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	17.84	35000	1JX
3.	UNKNOWN	22.74	2400	1JX
4.	UNKNOWN	22.99	6000	1JX
5. 7-10-3	HEXADECANOIC ACID	23.60	5000	1JX
6.	UNKNOWN	23.74	4700	1JX
7.	UNKNOWN	24.60	8600	1JX
8. 1438-62-6	1-NAPHTHALENEPROPANOL, .ALPHI	24.84	31000	1JX
9. 41756-14-3	BA(2H)-PHENANTHRENOL, 7-ETHE	25.17	4600	1JX
10.	UNKNOWN	25.49	14000	1JX
11.	UNKNOWN	28.27	3500	1JX
12.	UNKNOWN	28.41	2100	1JX
13.	UNKNOWN	29.46	2900	1JX
14.	UNKNOWN	29.56	7500	1JX
15.	UNKNOWN	30.57	3500	1JX
16.	UNKNOWN	31.56	3900	1JX
17.	UNKNOWN	32.42	5400	1JX
18.	UNKNOWN	35.26	7200	1JX
19.	UNKNOWN	37.76	5400	1JX

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OLCVTNS8DL

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38172DL

Sample wt/vol: 24.2 (g/mL) G

Lab File ID: 2BN1023F

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

PC Cleanup: (Y/N) Y

pH:

Dilution Factor: 50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	82000	IU
111-44-4	bis(2-Chloroethyl)Ether	82000	IU
95-57-8	2-Chlorophenol	82000	IU
541-73-1	1,3-Dichlorobenzene	82000	IU
106-46-7	1,4-Dichlorobenzene	82000	IU
100-51-6	Benzyl Alcohol	82000	IU
95-50-1	1,2-Dichlorobenzene	82000	IU
95-48-7	2-Methylphenol	82000	IU
108-60-1	bis(2-Chloroisopropyl)Ether	82000	IU
106-44-5	4-Methylphenol	82000	IU
621-64-7	N-Nitroso-Di-n-Propylamine	82000	IU
67-72-1	Hexachloroethane	82000	IU
98-95-3	Nitrobenzene	82000	IU
78-59-1	Isophorone	82000	IU
88-75-5	2-Nitrophenol	82000	IU
105-67-9	2,4-Dimethylphenol	82000	IU
65-85-0	Benzoic Acid	400000	IU
111-91-1	bis(2-Chloroethoxy)Methane	82000	IU
120-83-2	2,4-Dichlorophenol	82000	IU
120-82-1	1,2,4-Trichlorobenzene	82000	IU
91-20-3	Naphthalene	82000	IU
106-47-8	4-Chloroaniline	82000	IU
87-68-3	Hexachlorobutadiene	82000	IU
59-50-7	4-Chloro-3-Methylphenol	82000	IU
91-57-6	2-Methylnaphthalene	82000	IU
77-47-4	Hexachlorocyclopentadiene	82000	IU
88-06-2	2,4,6-Trichlorophenol	82000	IU
95-95-4	2,4,5-Trichlorophenol	400000	IU
91-58-7	2-Chloronaphthalene	82000	IU
88-74-4	2-Nitroaniline	400000	IU
131-11-3	Dimethyl Phthalate	82000	IU
208-96-8	Acenaphthylene	82000	IU
606-20-2	2,6-Dinitrotoluene	82000	IU

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

OLCVTNS8DL

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38172DL

Sample wt/vol: 24.2 (g/mL) G

Lab File ID: 2BN1023F

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 50

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	400000	IU
83-32-9	Acenaphthene	82000	IU
51-28-5	2,4-Dinitrophenol	400000	IU
100-02-7	4-Nitrophenol	400000	IU
132-64-9	Dibenzofuran	82000	IU
121-14-2	2,4-Dinitrotoluene	82000	IU
84-66-2	Diethylphthalate	82000	IU
7005-72-3	4-Chlorophenyl-phenylether	82000	IU
86-73-7	Fluorene	82000	IU
100-01-6	4-Nitroaniline	400000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	400000	IU
86-30-6	N-Nitrosodiphenylamine (1)	82000	IU
101-55-3	4-Bromophenyl-phenylether	82000	IU
118-74-1	Hexachlorobenzene	82000	IU
87-86-5	Pentachlorophenol	230000	IDJ
85-01-8	Phenanthrene	82000	IU
120-12-7	Anthracene	82000	IU
84-74-2	Di-n-Butylphthalate	82000	IU
206-44-0	Fluoranthene	82000	IU
129-00-0	Pyrene	82000	IU
85-68-7	Butylbenzylphthalate	82000	IU
91-94-1	3,3'-Dichlorobenzidine	160000	IU
56-55-3	Benzo(a)Anthracene	82000	IU
218-01-9	Chrysene	82000	IU
117-81-7	bis(2-Ethylhexyl)phthalate	82000	IU
117-84-0	Di-n-Octyl Phthalate	82000	IU
205-99-2	Benzo(b)Fluoranthene	82000	IU
207-08-9	Benzo(k)Fluoranthene	82000	IU
50-32-8	Benzo(a)Pyrene	82000	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	82000	IU
53-70-3	Dibenz(a,h)Anthracene	82000	IU
191-24-2	Benzo(g,h,i)Perylene	82000	IU

1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

OLCVTNS8DL

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38172DL

Sample wt/vol: 24.2 (g/mL) G

Lab File ID: 2BN1023F

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

GC Cleanup: (Y/N) Y pH:

Dilution Factor: 50

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
-----	-----	-----	-----	-----
-----	-----	-----	-----	-----

8790

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SRFCMPS6

Name: WEYERHAEUSER

Contract:

Site: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38173

Sample wt/vol: 20.8 (g/mL) G

Lab File ID: 2BN1023G

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 5.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	9500	U
111-44-4	bis(2-Chloroethyl)Ether	9500	U
95-57-8	2-Chlorophenol	9500	U
541-73-1	1,3-Dichlorobenzene	9500	U
106-46-7	1,4-Dichlorobenzene	9500	U
100-51-6	Benzyl Alcohol	9500	U
95-50-1	1,2-Dichlorobenzene	9500	U
95-48-7	2-Methylphenol	9500	U
108-60-1	bis(2-Chloroisopropyl)Ether	9500	U
106-44-5	4-Methylphenol	9500	U
621-64-7	N-Nitroso-Di-n-Propylamine	9500	U
67-72-1	Hexachloroethane	9500	U
98-95-3	Nitrobenzene	9500	U
78-59-1	Isophorone	9500	U
88-75-5	2-Nitrophenol	9500	U
105-67-9	2,4-Dimethylphenol	9500	U
65-85-0	Benzoic Acid	46000	U
111-91-1	bis(2-Chloroethoxy)Methane	9500	U
120-83-2	2,4-Dichlorophenol	9500	U
120-82-1	1,2,4-Trichlorobenzene	9500	U
91-20-3	Naphthalene	9500	U
106-47-8	4-Chloroaniline	9500	U
87-68-3	Hexachlorobutadiene	9500	U
59-50-7	4-Chloro-3-Methylphenol	9500	U
91-57-6	2-Methylnaphthalene	9500	U
77-47-4	Hexachlorocyclopentadiene	9500	U
88-06-2	2,4,6-Trichlorophenol	9500	U
95-95-4	2,4,5-Trichlorophenol	46000	U
91-58-7	2-Chloronaphthalene	9500	U
88-74-4	2-Nitroaniline	46000	U
131-11-3	Dimethyl Phthalate	9500	U
208-96-8	Acenaphthylene	9500	U
606-20-2	2,6-Dinitrotoluene	9500	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SRFCMPS6

Name: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38173

Sample wt/vol: 20.8 (g/mL) G

Lab File ID: 2BN1023G

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	46000	IU
83-32-9	Acenaphthene	9500	IU
51-28-5	2,4-Dinitrophenol	46000	IU
100-02-7	4-Nitrophenol	46000	IU
132-64-9	Dibenzofuran	9500	IU
121-14-2	2,4-Dinitrotoluene	9500	IU
84-66-2	Diethylphthalate	9500	IU
7005-72-3	4-Chlorophenyl-phenylether	9500	IU
86-73-7	Fluorene	9500	IU
100-01-6	4-Nitroaniline	46000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	46000	IU
86-30-6	N-Nitrosodiphenylamine (1)	9500	IU
101-55-3	4-Bromophenyl-phenylether	9500	IU
118-74-1	Hexachlorobenzene	9500	IU
87-86-5	Pentachlorophenol	480000	IE
85-01-8	Phenanthrene	9500	IU
120-12-7	Anthracene	9500	IU
84-74-2	Di-n-Butylphthalate	9500	IU
206-44-0	Fluoranthene	9500	IU
129-00-0	Pyrene	9500	IU
85-68-7	Butylbenzylphthalate	9500	IU
91-94-1	3,3'-Dichlorobenzidine	19000	IU
56-55-3	Benzo(a)Anthracene	9500	IU
218-01-9	Chrysene	9500	IU
117-81-7	bis(2-Ethylhexyl)phthalate	9500	IU
117-84-0	Di-n-Octyl Phthalate	9500	IU
205-99-2	Benzo(b)Fluoranthene	9500	IU
207-08-9	Benzo(k)Fluoranthene	9500	IU
50-32-8	Benzo(a)Pyrene	9500	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	9500	IU
53-70-3	Dibenz(a,h)Anthracene	9500	IU
191-24-2	Benzo(g,h,i)Perylene	9500	IU

(1) - Cannot be separated from Diphenylamine

3790

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SRFCMPS6

Lab Name: WEYERHAEUSER Contract:
 Lab Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163
 Matrix: (soil/water) SOIL Lab Sample ID: 38173
 Sample wt/vol: 20.8 (g/mL) G Lab File ID: 2BN10236
 Level: (low/med) LOW Date Received: 10/17/89
 Moisture: not dec. dec. Date Extracted: 10/19/89
 Extraction: (SepF/Cant/Sonc) Date Analyzed: 10/23/89
 PC Cleanup: (Y/N) Y pH: Dilution Factor: 5.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 17301-23-4	UNDECANE, 2,6-DIMETHYL-	11.89	500000	JX
2.	UNKNOWN	13.04	650000	JX
3.	UNKNOWN	13.54	430000	JX
641B-41-3	TRIDECANE, 3-METHYL-	13.85	290000	JX
	UNKNOWN	14.89	250000	JX
629-59-4	TETRADECANE	15.29	580000	JX
7.	UNKNOWN	16.27	230000	JX
8. 74645-98-0	DODECANE, 2,7,10-TRIMETHYL-	16.87	270000	JX
9.	UNKNOWN	24.79	160000	JX
10.	UNKNOWN	26.71	70000	JX
11.	UNKNOWN	29.94	18000	JX
12.	UNKNOWN	30.94	53000	JX
13.	UNKNOWN	31.17	52000	JX
14.	UNKNOWN	31.32	24000	JX
15.	UNKNOWN	31.89	72000	JX
16.	UNKNOWN	32.21	58000	JX
17.	UNKNOWN	32.84	52000	JX
18.	UNKNOWN	32.96	36000	JX
19.	UNKNOWN	33.21	49000	JX
20.	UNKNOWN	33.76	54000	JX

8790

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SRFCMPS6DL

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38173DL

Sample wt/vol: 20.8 (g/mL) G

Lab File ID: BN1106V

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 11/07/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 25

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	48000	U
111-44-4	bis(2-Chloroethyl)Ether	48000	U
95-57-8	2-Chlorophenol	48000	U
541-73-1	1,3-Dichlorobenzene	48000	U
106-46-7	1,4-Dichlorobenzene	48000	U
100-51-6	Benzyl Alcohol	48000	U
95-50-1	1,2-Dichlorobenzene	48000	U
95-48-7	2-Methylphenol	48000	U
108-60-1	bis(2-Chloroisopropyl)Ether	48000	U
106-44-5	4-Methylphenol	48000	U
621-64-7	N-Nitroso-Di-n-Propylamine	48000	U
67-72-1	Hexachloroethane	48000	U
98-95-3	Nitrobenzene	48000	U
78-59-1	Isophorone	48000	U
88-75-5	2-Nitrophenol	48000	U
105-67-9	2,4-Dimethylphenol	48000	U
65-85-0	Benzoic Acid	230000	U
111-91-1	bis(2-Chloroethoxy)Methane	48000	U
120-83-2	2,4-Dichlorophenol	48000	U
120-82-1	1,2,4-Trichlorobenzene	48000	U
91-20-3	Naphthalene	48000	U
106-47-8	4-Chloroaniline	48000	U
87-68-3	Hexachlorobutadiene	48000	U
59-50-7	4-Chloro-3-Methylphenol	48000	U
91-57-6	2-Methylnaphthalene	48000	U
77-47-4	Hexachlorocyclopentadiene	48000	U
88-06-2	2,4,6-Trichlorophenol	48000	U
95-95-4	2,4,5-Trichlorophenol	230000	U
91-58-7	2-Chloronaphthalene	48000	U
88-74-4	2-Nitroaniline	230000	U
131-11-3	Dimethyl Phthalate	48000	U
208-96-8	Acenaphthylene	48000	U
606-20-2	2,6-Dinitrotoluene	48000	U

5790C

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SRFCMPS6DL

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38173DL

Sample wt/vol: 20.8 (g/mL) G

Lab File ID: BN1106V

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 11/07/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 25

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	230000	IU
83-32-9	Acenaphthene	48000	IU
51-28-5	2,4-Dinitrophenol	230000	IU
100-02-7	4-Nitrophenol	230000	IU
132-64-9	Dibenzofuran	48000	IU
121-14-2	2,4-Dinitrotoluene	48000	IU
84-66-2	Diethylphthalate	48000	IU
7005-72-3	4-Chlorophenyl-phenylether	48000	IU
86-73-7	Fluorene	48000	IU
100-01-6	4-Nitroaniline	230000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	230000	IU
86-30-6	N-Nitrosodiphenylamine (1)	48000	IU
101-55-3	4-Bromophenyl-phenylether	48000	IU
118-74-1	Hexachlorobenzene	48000	IU
87-86-5	Pentachlorophenol	180000	IDJ
85-01-8	Phenanthrene	48000	IU
120-12-7	Anthracene	48000	IU
84-74-2	Di-n-Butylphthalate	48000	IU
206-44-0	Fluoranthene	48000	IU
129-00-0	Pyrene	48000	IU
85-68-7	Butylbenzylphthalate	48000	IU
91-94-1	3,3'-Dichlorobenzidine	95000	IU
56-55-3	Benzo(a)Anthracene	48000	IU
218-01-9	Chrysene	48000	IU
117-81-7	bis(2-Ethylhexyl)phthalate	48000	IU
117-84-0	Di-n-Octyl Phthalate	48000	IU
205-99-2	Benzo(b)Fluoranthene	48000	IU
207-08-9	Benzo(k)Fluoranthene	48000	IU
50-32-8	Benzo(a)Pyrene	48000	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	48000	IU
53-70-3	Dibenz(a,h)Anthracene	48000	IU
191-24-2	Benzo(g,h,i)Perylene	48000	IU

5790

1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SRFCMPS6DL

Lab Name: WEYERHAEUSER Contract:
Lab Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163
Matrix: (soil/water) SOIL Lab Sample ID: 38173DL
Sample wt/vol: 20.8 (g/mL) G Lab File ID: BN1106V
Level: (low/med) LOW Date Received: 10/17/89
Moisture: not dec. dec. Date Extracted: 10/19/89
Extraction: (SepF/Cont/Sonc) Date Analyzed: 11/07/89
GC Cleanup: (Y/N) Y pH: Dilution Factor: 25

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
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790

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BNFRWPS7

Name: WEYERHAEUSER

Contract:

Site: WEYER

Case No.: 00909

SAS No.:

SDS No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38174

Sample wt/vol: 23.5 (g/mL) G

Lab File ID: 2BN1023K

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/24/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG G

108-95-2	Phenol	840	U
111-44-4	bis(2-Chloroethyl)Ether	840	U
95-57-8	2-Chlorophenol	840	U
541-73-1	1,3-Dichlorobenzene	840	U
106-46-7	1,4-Dichlorobenzene	840	U
100-51-6	Benzyl Alcohol	840	U
95-50-1	1,2-Dichlorobenzene	840	U
95-48-7	2-Methylphenol	840	U
108-60-1	bis(2-Chloroisopropyl)Ether	840	U
106-44-5	4-Methylphenol	840	U
621-64-7	N-Nitroso-Di-n-Propylamine	840	U
67-72-1	Hexachloroethane	840	U
98-95-3	Nitrobenzene	840	U
78-59-1	Isophorone	840	U
88-75-5	2-Nitrophenol	840	U
105-67-9	2,4-Dimethylphenol	840	U
65-85-0	Benzoic Acid	4100	U
111-91-1	bis(2-Chloroethoxy)Methane	840	U
120-83-2	2,4-Dichlorophenol	840	U
120-82-1	1,2,4-Trichlorobenzene	840	U
91-20-3	Naphthalene	840	U
106-47-8	4-Chloroaniline	840	U
87-68-3	Hexachlorobutadiene	840	U
59-50-7	4-Chloro-3-Methylphenol	840	U
91-57-6	2-Methylnaphthalene	840	U
77-47-4	Hexachlorocyclopentadiene	840	U
88-06-2	2,4,6-Trichlorophenol	840	U
95-95-4	2,4,5-Trichlorophenol	4100	U
91-58-7	2-Chloronaphthalene	840	U
88-74-4	2-Nitroaniline	4100	U
131-11-3	Dimethyl Phthalate	840	U
208-96-8	Acenaphthylene	840	U
606-20-2	2,6-Dinitrotoluene	840	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BNFRWPS7

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38174

Sample wt/vol: 23.5 (g/mL) G

Lab File ID: 2BN1023K

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/24/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG @

99-09-2	3-Nitroaniline	4100	IU
83-32-9	Acenaphthene	840	IU
51-28-5	2,4-Dinitrophenol	4100	IU
100-02-7	4-Nitrophenol	4100	IU
132-64-9	Dibenzofuran	840	IU
121-14-2	2,4-Dinitrotoluene	840	IU
84-66-2	Diethylphthalate	840	IU
7005-72-3	4-Chlorophenyl-phenylether	840	IU
86-73-7	Fluorene	840	IU
100-01-6	4-Nitroaniline	4100	IU
534-52-1	4,6-Dinitro-2-Methylphenol	4100	IU
86-30-6	N-Nitrosodiphenylamine (1)	840	IU
101-55-3	4-Bromophenyl-phenylether	840	IU
118-74-1	Hexachlorobenzene	840	IU
87-86-5	Pentachlorophenol	230000	IE
85-01-8	Phenanthrene	840	IU
120-12-7	Anthracene	840	IU
84-74-2	Di-n-Butylphthalate	840	IU
206-44-0	Fluoranthene	840	IU
129-00-0	Pyrene	840	IU
85-68-7	Butylbenzylphthalate	840	IU
91-94-1	3,3'-Dichlorobenzidine	1700	IU
56-55-3	Benzo(a)Anthracene	840	IU
218-01-9	Chrysene	840	IU
117-81-7	bis(2-Ethylhexyl)phthalate	840	IU
117-84-0	Di-n-Octyl Phthalate	840	IU
205-99-2	Benzo(b)Fluoranthene	840	IU
207-08-9	Benzo(k)Fluoranthene	840	IU
50-32-8	Benzo(a)Pyrene	840	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	840	IU
53-70-3	Dibenz(a,h)Anthracene	840	IU
191-24-2	Benzo(g,h,i)Perylene	840	IU

(1) - Cannot be separated from Diphenylamine

8790

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BNFRWPS7

b Name: WEYERHAEUSER

Contract:

b de: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38174

Sample wt/vol: 23.5 (g/mL) G

Lab File ID: 2BN1023K

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/24/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 80-56-8	ALPHA.-PINENE (ACN)	6.18	4100	IJX
2.	UNKNOWN	27.81	18000	IJX
3.	UNKNOWN	29.74	20000	IJX
	UNKNOWN	30.27	12000	IJX
	UNKNOWN	31.36	6600	IJX
4.	UNKNOWN	31.56	14000	IJX
7.	UNKNOWN	32.14	4400	IJX
8.	UNKNOWN	32.19	2400	IJX
9.	UNKNOWN	32.41	20000	IJX
10.	UNKNOWN	33.16	17000	IJX
11.	UNKNOWN	33.26	4200	IJX
12.	UNKNOWN	33.39	14000	IJX
13.	UNKNOWN	33.56	9600	IJX
14.	UNKNOWN	33.96	12000	IJX
15.	UNKNOWN	34.22	10000	IJX
16.	UNKNOWN	34.39	6000	IJX
17.	UNKNOWN	35.16	13000	IJX
18.	UNKNOWN	35.36	7900	IJX
19.	UNKNOWN	35.46	12000	IJX
20.	UNKNOWN	36.22	8200	IJX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BNFRWPS7DL

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38174DL

Sample wt/vol: 23.5 (g/mL) G

Lab File ID: BN1106W

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 11/07/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 2.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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108-95-2	Phenol	4200	U
111-44-4	bis(2-Chloroethyl) Ether	4200	U
95-57-8	2-Chlorophenol	4200	U
541-73-1	1,3-Dichlorobenzene	4200	U
106-46-7	1,4-Dichlorobenzene	4200	U
100-51-6	Benzyl Alcohol	4200	U
95-50-1	1,2-Dichlorobenzene	4200	U
95-48-7	2-Methylphenol	4200	U
108-60-1	bis(2-Chloroisopropyl) Ether	4200	U
106-44-5	4-Methylphenol	4200	U
621-64-7	N-Nitroso-Di-n-Propylamine	4200	U
67-72-1	Hexachloroethane	4200	U
98-95-3	Nitrobenzene	4200	U
78-59-1	Isophorone	4200	U
88-75-5	2-Nitrophenol	4200	U
105-67-9	2,4-Dimethylphenol	4200	U
65-85-0	Benzoic Acid	20000	U
111-91-1	bis(2-Chloroethoxy) Methane	4200	U
120-83-2	2,4-Dichlorophenol	4200	U
120-82-1	1,2,4-Trichlorobenzene	4200	U
91-20-3	Naphthalene	4200	U
106-47-8	4-Chloroaniline	4200	U
87-68-3	Hexachlorobutadiene	4200	U
59-50-7	4-Chloro-3-Methylphenol	4200	U
91-57-6	2-Methylnaphthalene	4200	U
77-47-4	Hexachlorocyclopentadiene	4200	U
88-06-2	2,4,6-Trichlorophenol	4200	U
95-95-4	2,4,5-Trichlorophenol	20000	U
91-58-7	2-Chloronaphthalene	4200	U
89-74-4	2-Nitroaniline	20000	U
131-11-3	Dimethyl Phthalate	4200	U
208-96-8	Acenaphthylene	4200	U
606-20-2	2,6-Dinitrotoluene	4200	U

8790

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BNFRWPS7DL

Name: WEYERHAEUSER

Contract:

Site: WEYER

Case No.: 00909

SAS No.:

SDS No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: 38174DL

Sample wt/vol: 23.5 (g/mL) G

Lab File ID: BN1106W

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 11/07/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 2.5

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	20000	IU
83-32-9	Acenaphthene	4200	IU
51-28-5	2,4-Dinitrophenol	20000	IU
100-02-7	4-Nitrophenol	20000	IU
132-64-9	Dibenzofuran	4200	IU
121-14-2	2,4-Dinitrotoluene	4200	IU
84-66-2	Diethylphthalate	4200	IU
7005-72-3	4-Chlorophenyl-phenylether	4200	IU
86-73-7	Fluorene	4200	IU
100-01-6	4-Nitroaniline	20000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	20000	IU
86-30-6	N-Nitrosodiphenylamine (1)	4200	IU
101-55-3	4-Bromophenyl-phenylether	4200	IU
118-74-1	Hexachlorobenzene	4200	IU
87-86-5	Pentachlorophenol	60000	ID
85-01-8	Phenanthrene	4200	IU
120-12-7	Anthracene	4200	IU
84-74-2	Di-n-Butylphthalate	4200	IU
206-44-0	Fluoranthene	4200	IU
129-00-0	Pyrene	4200	IU
85-68-7	Butylbenzylphthalate	4200	IU
91-94-1	3,3'-Dichlorobenzidine	8400	IU
56-55-3	Benzo(a)Anthracene	4200	IU
218-01-9	Chrysene	4200	IU
117-81-7	bis(2-Ethylhexyl)phthalate	10000	ID
117-84-0	Di-n-Octyl Phthalate	4200	IU
205-99-2	Benzo(b)Fluoranthene	4200	IU
207-08-9	Benzo(k)Fluoranthene	4200	IU
50-32-8	Benzo(a)Pyrene	4200	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	4200	IU
53-70-3	Dibenz(a,h)Anthracene	4200	IU
191-24-2	Benzo(g,h,i)Perylene	4200	IU

1) - Cannot be separated from Diphenylamine

8790

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BNFRWPS7DL

Client Name: WEYERHAEUSER Contract:
Lab Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163
Matrix: (soil/water) SOIL Lab Sample ID: 38174DL
Sample wt/vol: 23.5 (g/mL) G Lab File ID: BN1106W
Level: (low/med) LOW Date Received: 10/17/89
Moisture: not dec. dec. Date Extracted: 10/19/89
Extraction: (SepF/Cont/Sonc) Date Analyzed: 11/07/89
GC Cleanup: (Y/N) Y pH: Dilution Factor: 2.5

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW1

Name: WEYERHAEUSER

Contract:

Site: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKW1

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: 2BN1019A

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

GC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl)Ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
100-51-6	Benzyl Alcohol	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
95-48-7	2-Methylphenol	20000	U
108-60-1	bis(2-Chloroisopropyl)Ether	20000	U
106-44-5	4-Methylphenol	20000	U
621-64-7	N-Nitroso-Di-n-Propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
65-85-0	Benzoic Acid	96000	U
111-91-1	bis(2-Chloroethoxy)Methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	20000	U
106-47-8	4-Chloroaniline	20000	U
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-Methylphenol	20000	U
91-57-6	2-Methylnaphthalene	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
95-95-4	2,4,5-Trichlorophenol	96000	U
91-58-7	2-Chloronaphthalene	20000	U
88-74-4	2-Nitroaniline	96000	U
131-11-3	Dimethyl Phthalate	20000	U
208-96-8	Acenaphthylene	20000	U
606-20-2	2,6-Dinitrotoluene	20000	U

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1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW1

Lab Name: WEYERHAEUSER Contract:
 Lab Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKW1
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: 2BN1019A
 Level: (low/med) MED Date Received: 10/17/89
 Moisture: not dec. dec. Date Extracted: 10/18/89
 Extraction: (SepF/Cont/Sonc) Date Analyzed: 10/19/89
 HPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	96000	IU
83-32-9	Acenaphthene	20000	IU
51-28-5	2,4-Dinitrophenol	96000	IU
100-02-7	4-Nitrophenol	96000	IU
132-64-9	Dibenzofuran	20000	IU
121-14-2	2,4-Dinitrotoluene	20000	IU
84-66-2	Diethylphthalate	20000	IU
7005-72-3	4-Chlorophenyl-phenylether	20000	IU
86-73-7	Fluorene	20000	IU
100-01-6	4-Nitroaniline	96000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	96000	IU
86-30-6	N-Nitrosodiphenylamine (1)	20000	IU
101-55-3	4-Bromophenyl-phenylether	20000	IU
118-74-1	Hexachlorobenzene	20000	IU
87-86-5	Pentachlorophenol	96000	IU
85-01-8	Phenanthrene	20000	IU
120-12-7	Anthracene	20000	IU
84-74-2	Di-n-Butylphthalate	20000	IU
206-44-0	Fluoranthene	20000	IU
129-00-0	Pyrene	20000	IU
85-68-7	Butylbenzylphthalate	20000	IU
91-94-1	3,3'-Dichlorobenzidine	40000	IU
56-55-3	Benzo(a)Anthracene	20000	IU
218-01-9	Chrysene	20000	IU
117-81-7	bis(2-Ethylhexyl)phthalate	20000	IU
117-84-0	Di-n-Octyl Phthalate	20000	IU
205-99-2	Benzo(b)Fluoranthene	20000	IU
207-08-9	Benzo(k)Fluoranthene	20000	IU
50-32-8	Benzo(a)Pyrene	20000	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	20000	IU
53-70-3	Dibenz(a,h)Anthracene	20000	IU
191-24-2	Benzo(g,h,i)Perylene	20000	IU

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(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKW1

Name: WEYERHAEUSER

Contract:

File: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKW1

Sample wt/vol: 1.0 (g/mL) 6

Lab File ID: 2EN1019A

Level: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/18/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: WEYERHAEUSER

Contract:

Lab Code: WEYER

Case No.: 00909

SAS No.:

SDS No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 21.3 (g/mL) G

Lab File ID: ZBN1022A

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	930	IU
111-44-4	bis(2-Chloroethyl)Ether	930	IU
95-57-8	2-Chlorophenol	930	IU
541-73-1	1,3-Dichlorobenzene	930	IU
106-46-7	1,4-Dichlorobenzene	930	IU
100-51-6	Benzyl Alcohol	930	IU
95-50-1	1,2-Dichlorobenzene	930	IU
95-48-7	2-Methylphenol	930	IU
108-60-1	bis(2-Chloroisopropyl)Ether	930	IU
106-44-5	4-Methylphenol	930	IU
621-64-7	N-Nitroso-Di-n-Propylamine	930	IU
67-72-1	Hexachloroethane	930	IU
98-95-3	Nitrobenzene	930	IU
78-59-1	Isophorone	930	IU
88-75-5	2-Nitrophenol	930	IU
105-67-9	2,4-Dimethylphenol	930	IU
65-85-0	Benzoic Acid	4500	IU
111-91-1	bis(2-Chloroethoxy)Methane	930	IU
120-83-2	2,4-Dichlorophenol	930	IU
120-82-1	1,2,4-Trichlorobenzene	930	IU
91-20-3	Naphthalene	930	IU
106-47-8	4-Chloroaniline	930	IU
87-68-3	Hexachlorobutadiene	930	IU
59-50-7	4-Chloro-3-Methylphenol	930	IU
91-57-6	2-Methylnaphthalene	930	IU
77-47-4	Hexachlorocyclopentadiene	930	IU
88-06-2	2,4,6-Trichlorophenol	930	IU
95-95-4	2,4,5-Trichlorophenol	4500	IU
91-58-7	2-Chloronaphthalene	930	IU
88-74-4	2-Nitroaniline	4500	IU
131-11-3	Dimethyl Phthalate	930	IU
208-96-8	Acenaphthylene	930	IU
606-20-2	2,6-Dinitrotoluene	930	IU

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKS1

Name: WEYERHAEUSER

Contract:

Site: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 21.3 (g/mL) G

Lab File ID: 2BN1022A

Level: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Extraction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4500	U
83-32-9	Acenaphthene	930	U
51-28-5	2,4-Dinitrophenol	4500	U
100-02-7	4-Nitrophenol	4500	U
132-64-9	Dibenzofuran	930	U
121-14-2	2,4-Dinitrotoluene	930	U
84-66-2	Diethylphthalate	930	U
7005-72-3	4-Chlorophenyl-phenylether	930	U
86-73-7	Fluorene	930	U
100-01-6	4-Nitroaniline	4500	U
534-52-1	4,6-Dinitro-2-Methylphenol	4500	U
86-30-6	N-Nitrosodiphenylamine (1)	930	U
101-55-3	4-Bromophenyl-phenylether	930	U
118-74-1	Hexachlorobenzene	930	U
87-86-5	Pentachlorophenol	4500	U
85-01-8	Phenanthrene	930	U
120-12-7	Anthracene	930	U
84-74-2	Di-n-Butylphthalate	930	U
206-44-0	Fluoranthene	930	U
129-00-0	Pyrene	930	U
85-68-7	Butylbenzylphthalate	930	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)Anthracene	930	U
218-01-9	Chrysene	930	U
117-81-7	bis(2-Ethylhexyl)phthalate	150	U
117-84-0	Di-n-Octyl Phthalate	930	U
205-99-2	Benzo(b)Fluoranthene	930	U
207-08-9	Benzo(k)Fluoranthene	930	U
50-32-8	Benzo(a)Pyrene	930	U
193-39-5	Indeno(1,2,3-cd)Pyrene	930	U
53-70-3	Dibenz(a,h)Anthracene	930	U
191-24-2	Benzo(g,h,i)Perylene	930	U

1) - Cannot be separated from Diphenylamine

8790

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

Lab Name: WEYERHAEUSER Contract:
Lab Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163
Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1
Sample wt/vol: 21.3 (g/mL) G Lab File ID: 2BN1022A
Level: (low/med) LOW Date Received: 10/17/89
Moisture: not dec. dec. Date Extracted: 10/19/89
Extraction: (SepF/Cont/Sonc) Date Analyzed: 10/22/89
Cleanup: (Y/N) Y pH: Dilution Factor: 0.50

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	28.02	5100	JX
2.	UNKNOWN	29.42	2100	JX
3.	UNKNOWN	32.22	1600	JX

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SOIL SEMIVOLATILE SURROGATE RECOVERY

Name: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

ve((low/med) LOW

EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
0129SS02S3	74	103	91	94	54	122		0
02130GB26S3	72	96	99	94	52	123 *		1
03130GB26S3DL	49	55	50	58	44	72		0
04131SFCPS4	83	123 *	*	91	41	118		2
05131SFCPS4DL	D	D	D	D	D	D		0
06132SCRFS5	85	99	92	87	42	89		0
07132SCRFS5DL	46	47	53	66	49	66		0
08133SDCHS2	81	111	43	86	57	22		0
091BNFRWFS7	75	95	86	76	58	47		0
101BNFRWFS7DL	51	47	55	54	51	54		0
111DRMWSTS1	77	103	60	15 *	28	72		1
121OCLUTNS8	76	80	63	85	66	101		0
131OLCVTNS8DL	D	D	D	D	D	D		0
141SRFCMPS6	D	D	39	45	27	50		0
151SRFCMPS6DL	D	D	D	D	D	D		0
161SRFCMPS6MS	72	D	52	63	27	64		0
171SBLKS1	73	82	109	96	58	91		0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
S2 (FBP) = 2-Fluorobiphenyl (30-115)
S3 (TPH) = Terphenyl (18-137)
S4 (PHL) = Phenol-d5 (24-113)
S5 (2FP) = 2-Fluorophenol (25-121)
S6 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

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SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

Level: (low/med) MED

EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
01 26YELTNK	69	80	124	30	37	89		0
02 27SMBWTK	50	50	81	30	36	81		0
03 28BGBWTK	79	89	129	31	32	88		0
04 SBLKW1	78	85	99	27	33	79		0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out



Weyerhaeuser

Date June 8, 1990
From Clyde Patterson
Location WTC 2H4
Subject STATIC ACUTE FISH BIOASSAYS ON ABERDEEN SAWDUST SAMPLES
To Mick McCourt - WTC 2H4

Per your request, 96-hour static acute fish bioassays were conducted on five (5) ABERDEEN SAP STAIN CONTROL AREA SAWDUST SURVEY samples, collected on May 24, 1990. The samples were submitted to the Aquatic Toxicology Laboratory to determine their waste designation under the Washington State Dangerous Waste Regulations (WAC 173-303).

Sample Identification

- 1) WEY-AB-SAP-1, 1712, SR #02761, #50487
- 2) WEY-AB-SAP-2, 1720, SR #02761, #50488
- 3) WEY-AB-SAP-3, 1730, SR #02761, #50489
- 4) WEY-AB-SAP-4, 1827, SR #02761, #50490
- 5) WEY-AB-SAP-5, 1830, SR #02761, #50491

The rainbow trout (*Salmo gairdneri*) acute bioassays were completed on the samples in triplicate concentrations of 100 and 1000 ppm. Ten juvenile fish in each test concentration were exposed to the waste samples for a period of 96 hours. No fish mortality was observed in any of the 100 ppm concentrations of the five (5) samples, the control, or the 1000 ppm concentration of sample number 4. However, the 1000 ppm concentration of sample numbers 1, 2, 3 and 5 resulted in test failure. The results of the toxicity testing are summarized on the attached Aquatic Toxicology Laboratory data sheets.

These results mean that sample numbers 1, 2, 3 and 5 exhibit characteristics of a DANGEROUS WASTE as defined by the bioassay criteria of the Dangerous Waste Regulations.

The bioassay procedure for this testing followed guidelines established by the Washington State Department of Ecology, "Biological Testing Methods-Part A, Static Acute Fish Toxicity Test" D.O.E. 80-12, Revised July 1981.

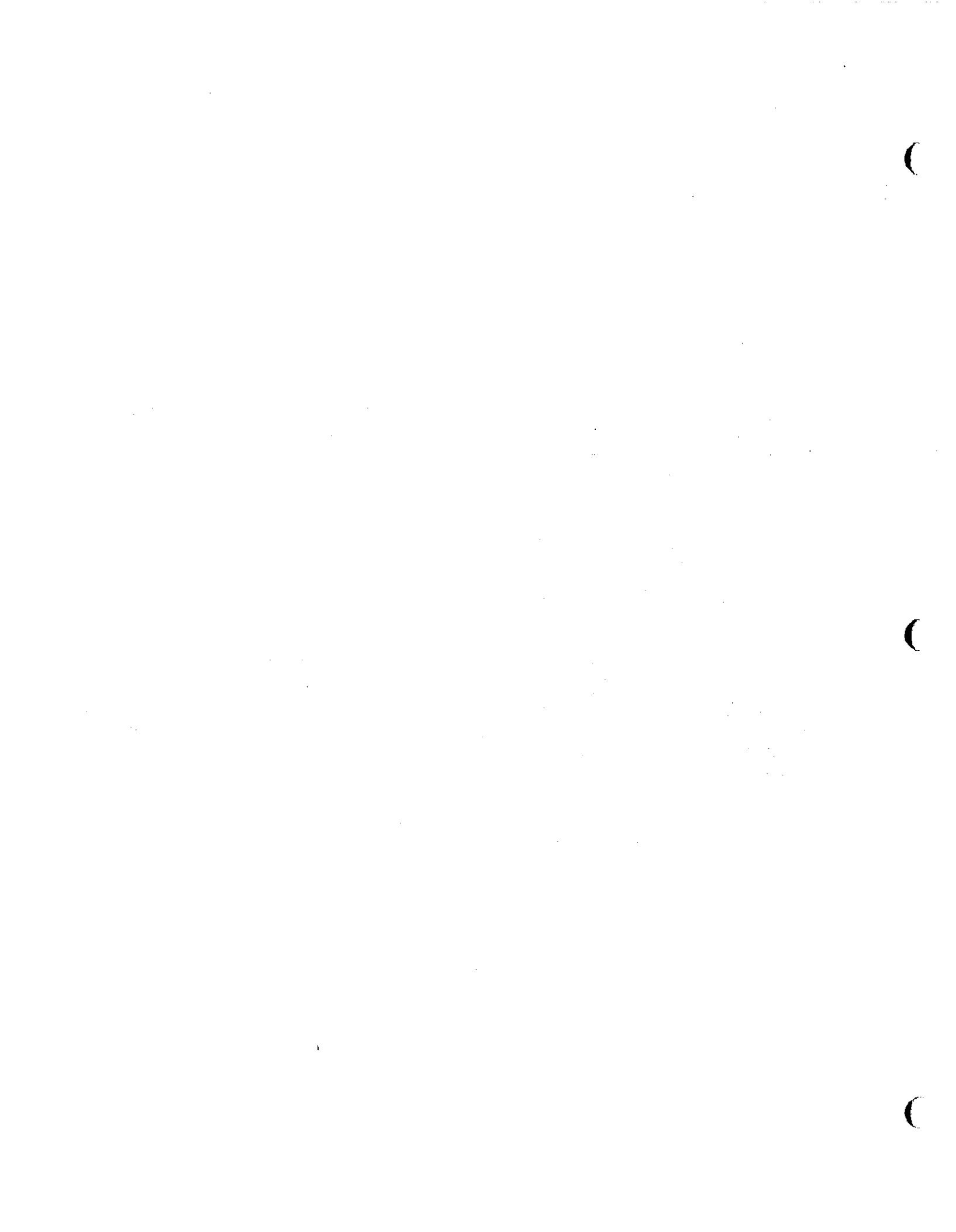
If you have any questions regarding these results, give me a call at 6590.

Clyde Patterson
Environmental Technician
dcw/d51/0607-1

Attachments

cc: Barry Firth - WTC 2H4

FORM IC-22 8/83 Dan Sjolseth - WTC 2H2



20
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: WEYERHAEUSER

Contract: MCCURT

Lab Code: WEYER

Case No.: 02761

SAS No.:

SDG No.: 50487

el: (low/med) LOW

EPA	S1	S2	S3	S4	S5	S6	OTHER	TOT
SAMPLE NO.	(NBZ)#	(FBP)#	(TPH)#	(PHL)#	(2FP)#	(TBP)#		OUT
01 WEY-AB-SAP-1	71	58	69	57	62	67		0
02 WEY-AB-SAP-2	102	67	74	86	96	95		0
03 WEY-AB-SAP-3	96	73	104	79	77	90		0
04 WEY-AB-SAP-4	97	73	71	86	85	87		0
05 WEY-ABSAP-3D	61	78	101	53	60	86		0
06 9BLKS1	120	76	93	92	88	69		0
07 9BLKS2	69	78	100	78	89	96		0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-4B-SAP-1

Lab Name: WEYERHAEUSER

Contract: MCCURT

Code: WEYER

Case No.: 02761

SAS No.:

SDG No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50487

Sample wt/vol: 30.1 (g/mL) S

Lab File ID: 2BN0702F

Level: (low/med) LGW

Date Received: 05/25/90

% Moisture: not dec. 57 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/02/90

SFC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~0.50~~ 1.0

JMS
7/3/90

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG 0

108-95-2	Phenol	1500	1U
111-44-4	bis(2-Chloroethyl)Ether	1500	1U
95-57-8	2-Chlorophenol	1500	1U
541-73-1	1,3-Dichlorobenzene	1500	1U
106-46-7	1,4-Dichlorobenzene	1500	1U
103-51-6	Benzyl Alcohol	1500	1U
95-50-1	1,2-Dichlorobenzene	1500	1U
95-48-7	2-Methylphenol	1500	1U
108-60-1	bis(2-Chloroisopropyl)Ether	1500	1U
106-44-5	4-Methylphenol	1500	1U
621-64-7	N-Nitroso-Di-n-Propylamine	1500	1U
67-72-1	Hexachloroethane	1500	1U
98-95-3	Nitrobenzene	1500	1U
78-59-1	Isophorone	1500	1U
88-75-5	2-Nitrophenol	1500	1U
105-67-9	2,4-Dimethylphenol	1500	1U
65-85-0	Benzoic Acid	7400	1U
111-91-1	bis(2-Chloroethoxy)Methane	1500	1U
120-83-2	2,4-Dichlorophenol	1500	1U
120-82-1	1,2,4-Trichlorobenzene	1500	1U
91-20-3	Naphthalene	1500	1U
106-47-8	4-Chloroaniline	1500	1U
87-68-3	Hexachlorobutadiene	1500	1U
59-50-7	4-Chloro-3-Methylphenol	1500	1U
91-57-6	2-Methylnaphthalene	1500	1U
77-47-4	Hexachlorocyclopentadiene	1500	1U
98-06-2	2,4,6-Trichlorophenol	1500	1U
95-95-4	2,4,5-Trichlorophenol	7400	1U
91-58-7	2-Chloronaphthalene	1500	1U
68-71-4	2-Nitroaniline	7400	1U
111-11-5	Diethyl Phthalate	1500	1U
100-94-8	Acenaphthylene	1500	1U
600-29-2	2,6-Dinitrotoluene	1500	1U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPS SAMPLE NO.

IC

KEY-AB-SAP-1

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 02761

SAS No.:

SDG No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50487

Sample wt/vol: 30.1 (g/mL) B

Lab File ID: 29N0702F

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 57 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/02/90

GPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~6.56~~ 1.0

JMS
7/3/90

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	7400	1U
83-32-9	Acenaphthene	1500	1U
51-26-5	2,4-Dinitrophenol	7400	1U
100-02-7	4-Nitrophenol	7400	1U
132-64-9	Dibenzofuran	1500	1U
121-14-2	2,4-Dinitrotoluene	1500	1U
84-66-2	Diethylphthalate	1500	1U
7005-72-3	4-Chlorophenyl-phenylether	1500	1U
86-73-7	Fluorene	1500	1U
100-01-6	4-Nitroaniline	7400	1U
534-52-1	4,6-Dinitro-2-Methylphenol	7400	1U
86-30-6	N-Nitrosodiphenylamine (1)	1500	1U
101-55-3	4-Bromophenyl-phenylether	1500	1U
118-74-1	Hexachlorobenzene	1500	1U
87-86-5	Pentachlorophenol	3900	1U
85-01-9	Phenanthrene	1500	1U
120-12-7	Anthracene	1500	1U
84-74-2	Di-n-Butylphthalate	1500	1U
206-44-0	Fluoranthene	1500	1U
129-00-0	Pyrene	190	1U
85-68-7	Butylbenzylphthalate	1500	1U
91-94-1	3,3'-Dichlorobenzidine	3100	1U
56-55-3	Benzo(a)Anthracene	1500	1U
218-01-9	Chrysene	1500	1U
117-81-7	bis(2-Ethylhexyl)phthalate	1500	1U
117-84-0	Di-n-Octyl Phthalate	1500	1U
205-99-2	Benzo(b)Fluoranthene	1500	1U
207-08-9	Benzo(k)Fluoranthene	1500	1U
50-32-8	Benzo(a)Pyrene	1500	1U
193-39-5	Indeno(1,2,3-cd)Pyrene	1500	1U
57-73-3	Dibenzo(a,h)Anthracene	1500	1U
191-24-2	Benzo(g,h,i)Perylene	1500	1U

(1) - Benzo(b)Fluoranthene separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEY-AB-SAP-1

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 02761

SAS No.:

SOS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50487

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: 2BN07025

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 57 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/02/90

GPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~0.50~~ 1.0

JMS
7/3/90

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	G
=====	=====	=====	=====	=====
-----	-----	-----	-----	-----

WEY-AB-SAP-2

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50487

Mix: (soil/water) SOIL

Lab Sample ID: 50488

Sample wt/vol: 15.1 (g/mL) 6

Lab File ID: 5N0520C

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 11 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/20/90

GPC Cleanup: (Y/N) Y

pH:

Dilution Factor: ~~2.5~~ 5.0

JMS
 7/3/90

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG @

108-95-2	Phenol	7400	IU
111-44-4	bis(2-Chloroethyl)Ether	7400	IU
95-57-8	2-Chlorophenol	7400	IU
541-73-1	1,3-Dichlorobenzene	7400	IU
106-46-7	1,4-Dichlorobenzene	7400	IU
100-51-6	Benzyl Alcohol	7400	IU
95-50-1	1,2-Dichlorobenzene	7400	IU
95-48-7	2-Methylphenol	7400	IU
108-60-1	bis(2-Chloroisopropyl)Ether	7400	IU
106-44-5	4-Methylphenol	7400	IU
621-64-7	N-Nitroso-Di-n-Propylamine	7400	IU
67-72-1	Hexachloroethane	7400	IU
95-95-3	Nitrobenzene	7400	IU
76-59-1	Isophorone	7400	IU
88-75-5	2-Nitrophenol	7400	IU
105-67-9	2,4-Dimethylphenol	7400	IU
65-85-0	Benzoic Acid	36000	IU
111-91-1	bis(2-Chloroethoxy)Methane	7400	IU
120-83-2	2,4-Dichlorophenol	7400	IU
120-82-1	1,2,4-Trichlorobenzene	7400	IU
91-20-3	Naphthalene	7400	IU
106-47-8	4-Chloroaniline	7400	IU
87-68-3	Hexachlorobutadiene	7400	IU
59-50-7	4-Chloro-3-Methylphenol	7400	IU
91-57-6	2-Methylnaphthalene	7400	IU
77-47-4	Hexachlorocyclopentadiene	7400	IU
98-06-2	2,4,6-Trichlorophenol	7400	IU
95-95-4	2,4,5-Trichlorophenol	780	IJ
91-58-7	2-Chloronaphthalene	7400	IU
99-74-4	2-Nitroaniline	36000	IU
131-11-3	Dimethyl Phthalate	7400	IU
106-96-8	Acenaphthylene	7400	IU
606-70-2	2,6-Dinitrotoluene	7400	IU

10
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-SAP-2

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50488

Sample wt/vol: 15.1 (g/mL) B

Lab File ID: EN0620C

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 11 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Scnc) SONC

Date Analyzed: 06/20/90

GPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~2.5~~ 5.0

JMS
7/3/90

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	36000	IU
83-32-9	Acenaphthene	7400	IU
51-28-5	2,4-Dinitrophenol	36000	IU
100-02-7	4-Nitrophenol	36000	IU
132-64-9	Dibenzofuran	7400	IU
121-14-2	2,4-Dinitrotoluene	7400	IU
84-66-2	Diethylphthalate	7400	IU
7005-72-3	4-Chlorophenyl-phenylether	7400	IU
86-73-7	Fluorene	7400	IU
100-01-6	4-Nitroaniline	36000	IU
534-52-1	4,6-Dinitro-2-Methylphenol	36000	IU
86-30-6	N-Nitrosodiphenylamine (1)	7400	IU
101-55-3	4-Bromophenyl-phenylether	7400	IU
118-74-1	Hexachlorobenzene	7400	IU
87-86-5	Pentachlorophenol	38000	I
85-01-9	Phenanthrene	1300	IJ
120-12-7	Anthracene	7400	IU
84-74-2	Di-n-Butylphthalate	7400	IU
206-44-0	Fluoranthene	1400	IJ
129-00-0	Pyrene	740	IJ
85-68-7	Butylbenzylphthalate	7400	IU
91-94-1	3,3'-Dichlorobenzidine	15000	IU
56-55-3	Benzo(a)Anthracene	7400	IU
218-01-9	Chrysene	7400	IU
117-81-7	bis(2-Ethylhexyl)phthalate	7400	IU
117-84-0	Di-n-Octyl Phthalate	7400	IU
208-99-2	Benzo(b)Fluoranthene	7400	IU
207-08-9	Benzo(k)Fluoranthene	7400	IU
50-32-8	Benzo(a)Pyrene	7400	IU
193-39-8	Indeno(1,2,3-cd)Pyrene	7400	IU
53-70-3	Dibenz(a,h)Anthracene	7400	IU
191-24-2	Benzo(g,h,i)Perylene	7400	IU

(?) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEY-AR-SAP-2

Lab Name: WEYERHAEUSER

Contract: MCCURT

Lab Code: WEYER

Case No.: 02761

SAS No.:

SDG No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50488

Sample wt/vol: 15.1 (g/ml) B

Lab File ID: BN0620C

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 11 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/20/90

GPC Cleanup: (Y/N) Y

pH:

Dilution Factor: ~~2.5~~ 5.0

JMS
7/3/90

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-SAP-3

Lab Name: WEYERHAEUSER

Contract: MCCURT

Lab Code: WEYER

Case No.: 02751

SAS No.:

SDS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50489

Sample wt/vol: 15.1 (g/mL) S

Lab File ID: BN0620D

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 14 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/20/90

GPC Cleanup: (Y/N) Y

pH:

Dilution Factor: ~~2.5~~ 5.0

JMS
7/3/90

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	7600	U
111-44-4	bis(2-Chloroethyl)Ether	7600	U
95-57-8	2-Chlorophenol	7600	U
541-73-1	1,3-Dichlorobenzene	7600	U
106-46-7	1,4-Dichlorobenzene	7600	U
100-51-6	Benzyl Alcohol	7600	U
95-50-1	1,2-Dichlorobenzene	7600	U
95-48-7	2-Methylphenol	7600	U
108-60-1	bis(2-Chloroisopropyl)Ether	7600	U
106-44-5	4-Methylphenol	7600	U
621-64-7	N-Nitroso-Di-n-Propylamine	7600	U
67-72-1	Hexachloroethane	7600	U
98-95-3	Nitrobenzene	7600	U
78-59-1	Isophorone	7600	U
88-75-5	2-Nitrophenol	7600	U
105-67-9	2,4-Dimethylphenol	7600	U
65-65-0	Benzoic Acid	37000	U
111-91-1	bis(2-Chloroethoxy)Methane	7600	U
120-83-2	2,4-Dichlorophenol	7600	U
120-82-1	1,2,4-Trichlorobenzene	7600	U
91-20-3	Naphthalene	7600	U
106-47-8	4-Chloroaniline	7600	U
57-68-3	Hexachlorobutadiene	7600	U
59-50-7	4-Chloro-3-Methylphenol	7600	U
91-57-6	2-Methylnaphthalene	7600	U
77-47-4	Hexachlorocyclopentadiene	7600	U
88-06-2	2,4,6-Trichlorophenol	7600	U
95-95-4	2,4,5-Trichlorophenol	37000	U
91-58-7	2-Chloronaphthalene	7600	U
88-74-4	2-Nitroaniline	37000	U
131-11-3	Dimethyl Phthalate	7600	U
208-96-6	Guenophilylene	7600	U
604-20-2	2,6-Dinitrophenol	7600	U

WEY-AB-SAP-0

Lab Name: WEYERHAEUSER

Contract: MCCURT

Code: WEYER

Case No.: 02761

SAS No.:

SDG No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50489

Sample wt/vol: 15.1 (g/mL) B

Lab File ID: BND6200

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 14 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/20/90

GPC Cleanup: (Y/N) Y

pH:

Dilution Factor: ~~5.0~~ 5.0

JMS
7/3/90

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG @

99-09-2	3-Nitroaniline	37000	U
83-32-9	Acenaphthene	7600	U
51-29-5	2,4-Dinitrophenol	37000	U
100-02-7	4-Nitrophenol	37000	U
132-64-9	Dibenzofuran	7600	U
121-14-2	2,4-Dinitrotoluene	7600	U
84-66-2	Diethylphthalate	7600	U
7005-72-3	4-Chlorophenyl-phenylether	7600	U
84-73-7	Fluorene	7600	U
100-01-6	4-Nitroaniline	37000	U
534-52-1	4,6-Dinitro-2-Methylphenol	37000	U
86-30-6	N-Nitrosodiphenylamine (1)	1900	U
101-55-3	4-Bromophenyl-phenylether	7600	U
118-74-1	Hexachlorobenzene	7600	U
87-54-5	Pentachlorophenol	120000	U
85-01-8	Phenanthrene	1800	U
120-12-7	Anthracene	7600	U
84-74-9	Di-n-Butylphthalate	7600	U
206-44-0	Fluoranthene	7600	U
129-00-0	Pyrene	7600	U
85-68-7	Butylbenzylphthalate	3400	U
91-94-1	3,3'-Dichlorobenzidine	15000	U
36-55-3	Benzo (a) Anthracene	7600	U
219-01-9	Chrycene	7600	U
117-81-7	bis(2-Ethylhexyl)phthalate	350000	U
117-84-0	Di-n-Octyl Phthalate	7600	U
208-90-9	Benzo (b) Fluoranthene	7600	U
207-09-9	Benzo (k) Fluoranthene	7600	U
80-79-9	Benzo (a) Pyrene	7600	U
143-28-0	Indeno (1,2,3-cd) Pyrene	7600	U
177-09-0	Dibenz (a,h) Anthracene	7600	U
151-21-2	Benzo (g,h,i) Perylene	7600	U

Not reported as separated from the sample

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEY-AB-SAP-3

Lab Name: NEVERHAUSER

Contract: MCCURT

Code: WEYER

Case No.: 02761

SAS No.:

SDG No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50489

Sample wt/vol: 15.1 (g/mL) 5

Lab File ID: BN0620D

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 14 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/5anc) SONG

Date Analyzed: 06/20/90

GPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~2.5~~ 5.0

JMS
7/3/90

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WEY-AB-SAP-4

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50490

Sample wt/vol: 20.0 (g/mL) B

Lab File ID: ENC620E

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 13 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/20/90

BPC Cleanup: (Y/N) Y

pH:

Dilution Factor: ~~2.5~~ 5.0

JMS
7/3/90

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	5700	1U
111-44-4	bis(2-Chloroethyl) Ether	5700	1U
95-57-8	2-Chlorophenol	5700	1U
541-73-1	1,3-Dichlorobenzene	5700	1U
106-46-7	1,4-Dichlorobenzene	5700	1U
100-51-6	Benzyl Alcohol	5700	1U
95-50-1	1,2-Dichlorobenzene	5700	1U
95-48-7	2-Methylphenol	5700	1U
108-60-1	bis(2-Chloroisopropyl) Ether	5700	1U
106-44-5	4-Methylphenol	5700	1U
621-64-7	N-Nitroso-Di-n-Propylamine	5700	1U
67-72-1	Hexachloroethane	5700	1U
98-95-3	Nitrobenzene	5700	1U
78-59-1	Isophorone	5700	1U
88-75-5	2-Nitrophenol	5700	1U
105-67-9	2,4-Dimethylphenol	5700	1U
65-85-0	Benzoic Acid	28000	1U
111-91-1	bis(2-Chloroethoxy) Methane	5700	1U
120-83-2	2,4-Dichlorophenol	5700	1U
120-82-1	1,2,4-Trichlorobenzene	5700	1U
91-20-3	Naphthalene	5700	1U
106-47-8	4-Chloroaniline	5700	1U
57-68-3	Hexachlorobutadiene	5700	1U
59-50-7	4-Chloro-3-Methylphenol	5700	1U
91-57-6	2-Methylnaphthalene	5700	1U
77-47-4	Hexachlorocyclopentadiene	5700	1U
88-06-2	2,4,6-Trichlorophenol	5700	1U
95-95-4	2,4,5-Trichlorophenol	28000	1U
91-38-7	2-Chloronaphthalene	5700	1U
55-74-4	2-Nitroaniline	28000	1U
131-11-3	Diethyl Phthalate	5700	1U
208-96-8	Acenaphthylene	5700	1U
605-20-2	2,6-Dinitrotoluene	5700	1U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-SAP-4

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50490

Sample wt/vol: 20.0 (g/mL) S

Lab File ID: BN0620E

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 13 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/20/90

GPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~2.5~~ 5.0

JMS
7/3/91

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG @

99-09-2	3-Nitroaniline	28000	U
83-32-9	Acenaphthene	5700	U
51-28-5	2,4-Dinitrophenol	28000	U
100-02-7	4-Nitrophenol	28000	U
132-64-9	Dibenzofuran	5700	U
121-14-2	2,4-Dinitrotoluene	5700	U
84-66-2	Diethylphthalate	5700	U
7005-72-3	4-Chlorophenyl-phenylether	5700	U
86-73-7	Fluorene	5700	U
100-01-6	4-Nitroaniline	28000	U
534-52-1	4,6-Dinitro-2-Methylphenol	28000	U
86-30-6	N-Nitrosodiphenylamine (1)	5700	U
101-55-3	4-Bromophenyl-phenylether	5700	U
118-74-1	Hexachlorobenzene	5700	U
87-86-5	Pentachlorophenol	7500	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	5700	U
84-74-2	Di-n-Butylphthalate	5700	U
206-44-0	Fluoranthene	5700	U
129-00-0	Pyrene	5700	U
65-68-7	Butylbenzylphthalate	5700	U
91-94-1	3,3'-Dichlorobenzidine	11000	U
56-55-3	Benzo(a)Anthracene	5700	U
218-01-9	Chrysene	5700	U
117-81-7	bis(2-Ethylhexyl)phthalate	17000	U
117-84-0	Di-n-Octyl Phthalate	5700	U
205-59-2	Benzo(b)Fluoranthene	5700	U
207-08-9	Benzo(k)Fluoranthene	5700	U
50-32-8	Benzo(a)Pyrene	5700	U
193-39-5	Indeno(1,2,3-cd)Pyrene	5700	U
52-70-3	Dibenz(a,h)Anthracene	5700	U
191-24-2	Benzo(g,h,i)Perylene	5700	U

Control is separated from Diphenylamine

SEMI-ANALYTICAL ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEY-AB-SAF-4

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50487

Matrix: (soil/water) SDIL

Lab Sample ID: 50450

Sample wt/vol: 20.0 (g/mL) 6

Lab File ID: BN0620E

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 13 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/20/90

BPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~2.5~~ 5.0

JHS
7/3/92

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-ABSAP-3DL

Lab Name: WEYERHAEUSER

Contract: MCCOURT

() Coder: WEYER Case No.: 02761 SAS No.: SDS No.: 50487

Matrix: (soil/water) SOIL Lab Sample ID: 30487DL

Sample wt/vol: 15.1 (g/mL) @ Lab File ID: 28N07026

Level: (low/med) LOW Date Received: 05/25/90

% Moisture: not dec. 14 dec. Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/90

GPC Cleanup: (Y/N) Y pH: Dilution Factor: ~~5~~ 25.0

JMS
7/3/9

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG 0

CAS NO.	COMPOUND	UG/KG	0
108-95-2	Phenol	38000	1U
111-44-4	bis(2-Chloroethyl)Ether	38000	1U
95-57-8	2-Chlorophenol	38000	1U
541-73-1	1,3-Dichlorobenzene	38000	1U
106-46-7	1,4-Dichlorobenzene	38000	1U
100-51-6	Benzyl Alcohol	38000	1U
95-50-1	1,2-Dichlorobenzene	38000	1U
95-48-7	2-Methylphenol	38000	1U
108-60-1	bis(2-Chloroisopropyl)Ether	38000	1U
106-44-5	4-Methylphenol	38000	1U
621-64-7	N-Nitroso-Di-n-Propylamine	38000	1U
67-72-1	Hexachloroethane	38000	1U
98-95-3	Nitrobenzene	38000	1U
78-59-1	Isophorone	38000	1U
88-75-5	2-Nitrophenol	38000	1U
105-67-9	2,4-Dimethylphenol	38000	1U
65-85-0	Benzoic Acid	180000	1U
111-91-1	bis(2-Chloroethoxy)Methane	38000	1U
120-83-2	2,4-Dichlorophenol	38000	1U
120-82-1	1,2,4-Trichlorobenzene	38000	1U
91-20-3	Naphthalene	38000	1U
106-47-8	4-Chloroaniline	38000	1U
97-68-3	Hexachlorobutadiene	38000	1U
59-50-7	4-Chloro-3-Methylphenol	38000	1U
91-57-6	2-Methylnaphthalene	38000	1U
77-47-4	Hexachlorocyclopentadiene	38000	1U
58-06-2	2,4,6-Trichlorophenol	38000	1U
95-95-4	2,4,5-Trichlorophenol	180000	1U
91-58-7	2-Chloronaphthalene	38000	1U
88-74-4	2-Nitroaniline	180000	1U
111-11-3	Dimethyl Phthalate	38000	1U
203-94-8	Acenaphthylene	38000	1U
606-20-2	2,4-Dinitrotoluene	38000	1U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-ABCAP-3DL

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50489DL

Sample wt/vol: 15.1 (g/mL) B

Lab File ID: 29N07026

Level: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 14 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/02/90

GPC Cleanup: (Y/N) Y

pH:

Dilution Factor: ~~25~~ 25.0

JMS
7/3/90

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

@

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	@
99-09-2	3-Nitroaniline	180000	1U
83-32-9	Acenaphthene	38000	1U
51-28-5	2,4-Dinitrophenol	180000	1U
100-02-7	4-Nitrophenol	180000	1U
132-64-9	Dibenzofuran	38000	1U
121-14-2	2,4-Dinitrotoluene	38000	1U
84-66-2	Diethylphthalate	38000	1U
7005-72-3	4-Chlorophenyl-phenylether	38000	1U
86-73-7	Fluorene	38000	1U
100-01-6	4-Nitroaniline	180000	1U
534-52-1	4,6-Dinitro-2-Methylphenol	180000	1U
84-30-6	N-Nitrosodiphenylamine (1)	38000	1U
101-55-3	4-Bromophenyl-phenylether	38000	1U
118-74-1	Hexachlorobenzene	38000	1U
87-86-5	Pentachlorophenol	91000	1DB
85-01-8	Phenanthrene	38000	1U
120-12-7	Anthracene	38000	1U
84-74-2	Di-n-Butylphthalate	38000	1U
206-44-0	Fluoranthene	38000	1U
129-00-0	Pyrene	38000	1U
85-68-7	Butylbenzylphthalate	38000	1U
91-94-1	3,3'-Dichlorobenzidine	76000	1U
56-55-2	Benzo(a)Anthracene	38000	1U
218-01-9	Chrysene	38000	1U
117-81-7	Bis(2-Ethylhexyl)phthalate	400000	1ED
117-84-0	Di-n-Octyl Phthalate	38000	1U
206-97-2	Benzo(b)Fluoranthene	38000	1U
207-06-9	Benzo(k)Fluoranthene	38000	1U
50-32-8	Benzo(a)Pyrene	38000	1U
193-39-5	Indeno(1,2,3-cd)Pyrene	38000	1U
53-70-3	Dibenz(a,h)Anthracene	38000	1U
191-24-7	Benzo(g,h,i)Perylene	38000	1U

(1) - cannot be separated from Diphenylamine

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.:

WEY-ABSAP-3DL

Lab Name: MEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50489DL

Sample wt/vol: 15.1 (g/mL) S

Lab File ID: 2BN07028

Level: (low/med) LDW

Date Received: 05/25/90

% Moisture: not dec. 14 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/02/90

GPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~43~~ 25.0

JMS
7/3/90

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.24	39000	IJX

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKS1

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: EN0620A

Level: (low/med) LOW

Date Received:

% Moisture: not dec. dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/20/90

GPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~0.55~~ 1.0JHS
7/3/90

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

G

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	G
108-95-2	Phenol	660	IU
111-44-4	bis(2-Chloroethyl)Ether	660	IU
95-57-8	2-Chlorophenol	660	IU
541-73-1	1,3-Dichlorobenzene	660	IU
106-46-7	1,4-Dichlorobenzene	660	IU
100-51-6	Benzyl Alcohol	660	IU
95-50-1	1,2-Dichlorobenzene	660	IU
95-48-7	2-Methylphenol	660	IU
108-60-1	bis(2-Chloroisopropyl)Ether	660	IU
106-44-5	4-Methylphenol	660	IU
621-64-7	N-Nitroso-Di-n-Propylamine	660	IU
67-72-1	Hexachloroethane	660	IU
98-95-3	Nitrobenzene	660	IU
78-59-1	Isophorone	660	IU
98-75-5	2-Nitrophenol	660	IU
105-67-9	2,4-Dimethylphenol	660	IU
65-85-0	Benzoic Acid	3200	IU
111-91-1	bis(2-Chloroethoxy)Methane	660	IU
120-83-2	2,4-Dichlorophenol	660	IU
120-82-1	1,2,4-Trichlorobenzene	660	IU
91-20-3	Naphthalene	660	IU
106-47-8	4-Chloroaniline	660	IU
87-68-3	Hexachlorobutadiene	660	IU
59-50-7	4-Chloro-3-Methylphenol	660	IU
91-57-6	2-Methylnaphthalene	660	IU
77-47-4	Hexachlorocyclopentadiene	660	IU
88-06-2	2,4,6-Trichlorophenol	660	IU
95-95-4	2,4,5-Trichlorophenol	3200	IU
91-59-7	2-Chloronaphthalene	660	IU
88-74-4	2-Nitroaniline	3200	IU
131-11-3	Dimethyl Phthalate	660	IU
208-96-8	Acenaphthylene	660	IU
604-20-2	2,6-Dinitrotoluene	660	IU

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO:

SELKS1

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: SELKS1

Sample wt/vol: 30.0 (g/mL) B

Lab File ID: BN0620A

Level: (low/med) LOW

Date Received:

% Moisture: not dec. dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/20/90

GFC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~0.50~~ 1.0

JMS
7/3/91

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3200	1U
83-32-9	Acenaphthene	660	1U
51-28-5	2,4-Dinitrophenol	3200	1U
100-02-7	4-Nitrophenol	3200	1U
132-64-9	Dibenzofuran	660	1U
121-14-2	2,4-Dinitrotoluene	660	1U
94-66-2	Diethylphthalate	660	1U
7005-72-3	4-Chlorophenyl-phenylether	660	1U
86-73-7	Fluorene	660	1U
100-01-6	4-Nitroaniline	3200	1U
534-52-1	4,6-Dinitro-2-Methylphenol	3200	1U
86-30-6	N-Nitrosodiphenylamine (1)	660	1U
101-55-3	4-Bromophenyl-phenylether	660	1U
118-74-1	Hexachlorobenzene	660	1U
87-86-5	Pentachlorophenol	3200	1U
35-01-6	Phenanthrene	660	1U
120-12-7	Anthracene	660	1U
84-74-2	Di-n-Butylphthalate	660	1U
206-44-0	Fluoranthene	660	1U
129-00-0	Pyrene	660	1U
85-68-7	Butylbenzylphthalate	660	1U
91-94-1	3,3'-Dichlorobenzidine	1300	1U
56-55-3	Benzo(a)Anthracene	660	1U
218-01-9	Chrysene	660	1U
117-81-7	bis(2-Ethylhexyl)phthalate	770	1
117-84-0	Di-n-Octyl Phthalate	660	1U
205-99-2	Benzo(b)Fluoranthene	660	1U
207-08-9	Benzo(k)Fluoranthene	660	1U
50-32-8	Benzo(a)Pyrene	660	1U
193-39-5	Indeno(1,2,3-cd)Pyrene	660	1U
53-70-3	Dibenz(a,h)Anthracene	660	1U
191-24-2	Benzo(g,h,i)Perylene	660	1U

(1) - Cannot be separated from Diphenylamine

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: WEYERHAEUSER

Contract: MCCOURT

SDLKS:

Lab Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: SDLKS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: BU06206

Level: (low/med) LOW

Date Received:

% Moisture: not dec. dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 06/20/90

GPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~1.50~~ 1.0

JMS
07/13/90

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	G

10
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS2

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 02761

SAS No.:

SDG No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS2

Sample wt/vol: 30.0 (g/ml) G

Lab File ID: 2BN0702H

Level: (low/med) LOW

Date Received:

% Moisture: not dec. dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/02/90

GPC Cleanup: (Y/N) Y

pH:

Dilution Factor: ~~9.50~~ 1.0

JMS
7/3/90

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	660	10
111-44-4	bis(2-Chloroethyl) Ether	660	10
95-57-6	2-Chlorophenol	660	10
541-73-1	1,3-Dichlorobenzene	660	10
106-46-7	1,4-Dichlorobenzene	660	10
100-51-6	Benzyl Alcohol	660	10
95-50-1	1,2-Dichlorobenzene	660	10
95-48-7	2-Methylphenol	660	10
108-60-1	bis(2-Chloroisopropyl) Ether	660	10
106-44-5	4-Methylphenol	660	10
621-64-7	N-Nitroso-Di-n-Propylamine	660	10
67-72-1	Hexachloroethane	660	10
98-95-3	Nitrobenzene	660	10
78-59-1	Isophorone	660	10
88-75-5	2-Nitrophenol	660	10
103-67-9	2,4-Dimethylphenol	660	10
65-85-0	Benzoic Acid	3200	10
111-91-1	bis(2-Chloroethoxy) Methane	660	10
120-83-2	2,4-Dichlorophenol	660	10
120-82-1	1,2,4-Trichlorobenzene	660	10
91-20-3	Naphthalene	660	10
106-47-5	4-Chloroaniline	660	10
97-60-3	Hexachlorobutadiene	660	10
59-50-7	4-Chloro-3-Methylphenol	660	10
91-57-6	2-Methylnaphthalene	660	10
77-47-4	Hexachlorocyclopentadiene	660	10
88-06-2	2,4,6-Trichlorophenol	660	10
95-95-4	2,4,5-Trichlorophenol	3200	10
91-58-7	2-Chloronaphthalene	660	10
68-74-4	2-Nitroaniline	3200	10
131-11-3	Dimethyl Pthalate	660	10
208-95-2	Acenaphthylene	660	10
606-23-2	2,6-Dimethylcyclohexene	660	10

SBLKS2

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 02761

SAS No.:

SOS No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS2

Sample wt/vol: 30.0 (g/mL) B

Lab File ID: 2BN07024

Level: (low/med) LOW

Date Received:

% Moisture: not dec. dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/02/90

GPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~0.50~~ 1.0

JMS
7/3/90

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
59-09-2	3-Nitroaniline	3200	1U
83-32-9	Acenaphthene	660	1U
51-28-5	2,4-Dinitrophenol	3200	1U
100-02-7	4-Nitrophenol	3200	1U
132-64-9	Dibenzofuran	660	1U
121-14-2	2,4-Dinitrotoluene	660	1U
84-66-2	Diethylphthalate	660	1U
7005-72-3	4-Chlorophenyl-phenylether	660	1U
86-73-7	Fluorene	660	1U
100-01-6	4-Nitroaniline	3200	1U
534-52-1	4,6-Dinitro-2-Methylphenol	3200	1U
86-30-6	N-Nitrosodiphenylamine (1)	660	1U
101-55-3	4-Bromophenyl-phenylether	660	1U
118-74-1	Hexachlorobenzene	660	1U
87-86-5	Pentachlorophenol	3200	1U
85-01-8	Phenanthrene	660	1U
120-12-7	Anthracene	660	1U
84-74-2	Di-n-Butylphthalate	660	1U
206-44-0	Fluoranthene	660	1U
129-00-0	Pyrene	660	1U
85-68-7	Butylbenzylphthalate	660	1U
91-94-1	3,3'-Dichlorobenzidine	1300	1U
56-55-3	Benzo(a)Anthracene	660	1U
218-01-9	Chrysene	660	1U
117-81-7	bis(2-Ethylhexyl)phthalate	140	1U
117-84-0	Di-n-Octyl Phthalate	660	1U
205-99-2	Benzo(b)Fluoranthene	660	1U
207-08-9	Benzo(k)Fluoranthene	660	1U
50-32-6	Benzo(e)Pyrene	660	1U
193-39-5	Indeno(1,2,3-cd)Pyrene	660	1U
33-70-3	Dibenz(a,b)Anthracene	660	1U
191-24-2	Benzo(g,h,i)Perylene	660	1U

11 - Cannot be separated from Diphenylamine

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO:

SBLKS2

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 02761

SAS No.:

SDS No.: 50467

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS2

Sample wt/vol: 30.0 (g/mL) B

Lab File ID: 2JH0702H

Level: (low/med) LOW

Date Received:

% Moisture: not dec. dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/02/90

BPC Cleanup: (Y/N) Y pH:

Dilution Factor: ~~0.5~~ 1.0

JMS
7/3/90

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	U

Lab Name: Weyerhaeuser

Lab Sample ID: 50482

Parent Sample ID: D-1 S-2

Request Number ID: 2758

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2931

Level: LOW

Date Received: 5/25/90

Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	62.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50483

Client Sample ID: D-1 S-3

Request Number ID: 2758

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2932

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	100.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

Lab Name: Weyerhaeuser

Lab Sample ID: 50484

Parent Sample ID: D-1 S-4

Request Number ID: 2760

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2954

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	24.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50486

Cont Sample ID: D-1 S-6

Request Number ID: 2758

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: A2934

Level: LOW

Date Received: 5/25/90

Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	110.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-6	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

Lab Name: Weyerhaeuser

Lab Sample ID: VBLKS1

Lab Sample ID: NA

Request Number ID: 2760

Sample Description: METHOD BLANK

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2924

Level: LOW

Date Received: NA

Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: VBLK52

Client Sample ID: NA

Request Number ID: 2760

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: A2953

Level: LOW

Date Received: NA

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

Lab Name: weyerhaeuser

Lab Sample ID: VBLKS1

Parent Sample ID: NA

Request Number ID: 2759

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: A2953

Level: LOW

Date Received: NA

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50473

Parent Sample ID: D-2 S-1

Request Number ID: 2759

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: A2963

Level: LOW

Date Received: 5/25/90

Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	10.	U	
74-83-9	Bromomethane	10.	U	
75-01-4	Vinyl Chloride	10.	U	
75-00-3	Chloroethane	10.	U	
75-09-2	Methylene Chloride	5.	U	
67-64-1	Acetone	14.		
75-15-0	Carbon Disulfide	5.	U	
75-35-4	1,1-Dichloroethene	5.	U	
75-34-3	1,1-Dichloroethane	5.	U	
540-59-0	1,2-Dichloroethene-total	5.	U	
67-66-3	Chloroform	5.	U	
107-02-2	1,2-Dichloroethane	5.	U	
78-93-3	2-Butanone	10.	U	
71-55-6	1,1,1-Trichloroethane	5.	U	
56-23-5	Carbon Tetrachloride	5.	U	
108-05-4	Vinyl Acetate	10.	U	
75-27-4	Bromodichloromethane	5.	U	
78-87-5	1,2-Dichloropropane	5.	U	
10061-01-5	cis-1,3-Dichloropropene	5.	U	
79-01-6	Trichloroethene	5.	U	
124-48-1	Dibromochloromethane	5.	U	
79-00-5	1,1,2-Trichloroethane	5.	U	
71-43-2	Benzene	5.	U	
10061-02-6	trans-1,3-Dichloropropene	5.	U	
75-25-2	Bromoform	5.	U	
108-10-1	4-Methyl-2-pentanone	10.	U	
591-78-6	2-Hexanone	10.	U	
127-18-4	Tetrachloroethene	5.	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	
108-88-3	Toluene	5.	U	
108-90-7	Chlorobenzene	5.	U	
100-41-4	Ethylbenzene	5.	U	
100-42-5	Styrene	5.	U	
133-02-7	Xylene-total	5.	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: weyerhaeuser

Lab Sample ID: 50474

Parent Sample ID: D-2 S-2

Request Number ID: 2759

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2956

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	150.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
640-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-6	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50475

Parent Sample ID: D-2 S-3

Request Number ID: 2759

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2957

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
74-87-3	Chloromethane	10.	U	
74-83-9	Bromomethane	10.	U	
75-01-4	Vinyl Chloride	10.	U	
75-00-3	Chloroethane	10.	U	
75-09-2	Methylene Chloride	5.	U	
67-64-1	Acetone	31.		
75-15-0	Carbon Disulfide	5.	U	
75-35-4	1,1-Dichloroethene	5.	U	
75-34-3	1,1-Dichloroethane	5.	U	
540-59-0	1,2-Dichloroethene-total	5.	U	
67-66-3	Chloroform	5.	U	
107-02-2	1,2-Dichloroethane	5.	U	
78-93-3	2-Butanone	10.	U	
71-55-6	1,1,1-Trichloroethane	5.	U	
56-23-5	Carbon Tetrachloride	5.	U	
108-05-4	Vinyl Acetate	10.	U	
75-27-4	Bromodichloromethane	5.	U	
78-87-5	1,2-Dichloropropane	5.	U	
10061-01-5	cis-1,3-Dichloropropene	5.	U	
79-01-6	Trichloroethene	5.	U	
124-48-1	Dibromochloromethane	5.	U	
79-00-5	1,1,2-Trichloroethane	5.	U	
71-43-2	Benzene	5.	U	
10061-02-6	trans-1,3-Dichloropropene	5.	U	
75-25-2	Bromoform	5.	U	
108-10-1	4-Methyl-2-pentanone	10.	U	
591-78-6	2-Hexanone	10.	U	
127-18-4	Tetrachloroethene	5.	U	
79-34-5	1,1,2,2-Tetrachloroethane	5.	U	
108-88-3	Toluene	5.	U	
108-90-7	Chlorobenzene	5.	U	
100-41-4	Ethylbenzene	5.	U	
100-42-5	Styrene	5.	U	
133-02-7	Xylene-total	5.	U	

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50477

Sample ID: D-2 S-5A

Request Number ID: 2759

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2959

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	110.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50478

Lab Sample ID: D-2 S-58

Request Number ID: 2759

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: A2960

Level: LOW

Date Received: 5/25/90

Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	53.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50480

Parent Sample ID: D-2 S-6

Request Number ID: 2759

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2962

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	220.	E
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	39.	
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-6	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50479

Parent Sample ID: D-2 S-5C

Request Number ID: 2759

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2961

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	84.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	17.	
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50480

Parent Sample ID: D-2 S-6

Request Number ID: 2759

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2962

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	10.	U
74-83-9	-----Bromomethane	10.	U
75-01-4	-----Vinyl Chloride	10.	U
75-00-3	-----Chloroethane	10.	U
75-09-2	-----Methylene Chloride	5.	U
67-64-1	-----Acetone	220.	E
75-15-0	-----Carbon Disulfide	5.	U
75-35-4	-----1, 1-Dichloroethene	5.	U
75-34-3	-----1, 1-Dichloroethane	5.	U
540-59-0	-----1, 2-Dichloroethene-total	5.	U
67-66-3	-----Chloroform	5.	U
107-02-2	-----1, 2-Dichloroethane	5.	U
78-93-3	-----2-Butanone	39.	U
71-55-6	-----1, 1, 1-Trichloroethane	5.	U
56-23-5	-----Carbon Tetrachloride	5.	U
108-05-4	-----Vinyl Acetate	10.	U
75-27-4	-----Bromodichloromethane	5.	U
78-87-5	-----1, 2-Dichloropropane	5.	U
10061-01-5	-----cis-1, 3-Dichloropropene	5.	U
79-01-6	-----Trichloroethene	5.	U
124-48-1	-----Dibromochloromethane	5.	U
79-00-5	-----1, 1, 2-Trichloroethane	5.	U
71-43-2	-----Benzene	5.	U
10061-02-6	-----trans-1, 3-Dichloropropene	5.	U
75-25-2	-----Bromoform	5.	U
108-10-1	-----4-Methyl-2-pentanone	10.	U
591-78-6	-----2-Hexanone	10.	U
127-18-4	-----Tetrachloroethene	5.	U
79-34-5	-----1, 1, 2, 2-Tetrachloroethane	5.	U
108-88-3	-----Toluene	5.	U
108-90-7	-----Chlorobenzene	5.	U
100-41-4	-----Ethylbenzene	5.	U
100-42-5	-----Styrene	5.	U
133-02-7	-----Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50468

Parent Sample ID: D-3 S-1

Request Number ID: 2758

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2925

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	91.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	11.	
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

Lab Name: weyerhaeuser

Lab Sample ID: 50469

Parent Sample ID: D-3 S-2

Request Number ID: 2758

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2926

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	160.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-69-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50469DL

Site Sample ID: D-3 S-2

Request Number ID: 2758

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 2.5 G

Lab File ID: >A2930

Level: LOW

Date Received: 5/25/90

Moisture: not dec, NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 2.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG 0

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	0
74-87-3	Chloromethane	20.	U
74-83-9	Bromomethane	20.	U
75-01-4	Vinyl Chloride	20.	U
75-00-3	Chloroethane	20.	U
75-09-2	Methylene Chloride	10.	U
67-64-1	Acetone	240.	
75-15-0	Carbon Disulfide	10.	U
75-35-4	1,1-Dichloroethene	10.	U
75-34-3	1,1-Dichloroethane	10.	U
540-59-0	1,2-Dichloroethene-total	10.	U
67-66-3	Chloroform	10.	U
107-02-2	1,2-Dichloroethane	10.	U
78-93-3	2-Butanone	20.	U
71-55-6	1,1,1-Trichloroethane	10.	U
56-23-5	Carbon Tetrachloride	10.	U
108-05-4	Vinyl Acetate	20.	U
75-27-4	Bromodichloromethane	10.	U
78-87-5	1,2-Dichloropropane	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U
79-01-6	Trichloroethene	10.	U
124-48-1	Dibromochloromethane	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U
71-43-2	Benzene	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U
75-25-2	Bromoform	10.	U
108-10-1	4-Methyl-2-pentanone	20.	U
591-78-6	2-Hexanone	20.	U
127-18-4	Tetrachloroethene	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U
108-88-3	Toluene	10.	U
108-90-7	Chlorobenzene	10.	U
100-41-4	Ethylbenzene	10.	U
100-42-5	Styrene	10.	U
133-02-7	xylene-total	10.	U

Lab Name: Weyerhaeuser

Lab Sample ID: 50470

Parent Sample ID: D-3 S-3 A

Request Number ID: 2758

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2927

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	200.	E
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	35.	
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50471

Parent Sample ID: D-3 S-3 B

Request Number ID: 2758

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2928

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	230.	E
75-16-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-69-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	52.	
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

Lab Name: Weyerhaeuser

Lab Sample ID: 50472

Parent Sample ID: D-3 S-4

Request Number ID: 2758

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2929

Level: LOW

Date Received: 5/25/90

Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	80.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	21.	
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: VBLKS1

Parent Sample ID: NA

Request Number ID: 2758

Sample Description: METHOD BLANK

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2924

Level: LOW

Date Received: NA

% Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

Lab Name: Weyerhaeuser

Lab Sample ID: 50497

Client Sample ID: D4E S-1

Request Number ID: 2763

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2970

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 6/01/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	36.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-6	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50499

Client Sample ID: D4E S-4

Request Number ID: 2763

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2965

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	7.	
67-64-1	Acetone	11.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

Lab Name: Weyerhaeuser

Lab Sample ID: 50501

Parent Sample ID: D4E S-6A

Request Number ID: 2763

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2966

Level: LOW

Date Received: 5/25/90

Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	
67-64-1	Acetone	130.	
75-15-0	Carbon Disulfide	4.	J
75-35-4	1,1-Dichloroethene	6.	U
75-34-3	1,1-Dichloroethane	5.	U
540-69-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	18.	
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50501RE

Client Sample ID: D4E S-6A

Request Number ID: 2763

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A3096

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 6/06/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	4.	J
67-64-1	Acetone	230.	E
75-15-0	Carbon Disulfide	3.	J
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

Lab Name: Weyerhaeuser

Lab Sample ID: 50503

Client Sample ID: D5 S-1

Request Number ID: 2763

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2967

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	73.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-6	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50504

Client Sample ID: D5 S-2

Request Number ID: 2763

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2968

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 6/01/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	8.	
67-64-1	Acetone	63.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

Lab Name: Weyerhaeuser

Lab Sample ID: 50504RE

Client Sample ID: D5 S-2

Request Number ID: 2763

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A3108

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 6/07/90

Column: CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	85.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50506

Client Sample ID: D5 S-7

Request Number ID: 2763

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2969

Level: LOW

Date Received: 5/25/90

Moisture: not dec. NA

Date Analyzed: 6/01/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	4.	J
67-64-1	Acetone	160.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	29.	
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

Lab Name: Weyerhaeuser

Lab Sample ID: 50506DL

Client Sample ID: D5 S-7

Request Number ID: 2763

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 1.0 G

Lab File ID: >A3097

Level: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 6/06/90

Column: CAP

Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
74-87-3	Chloromethane	50.	U
74-83-9	Bromomethane	50.	U
75-01-4	Vinyl Chloride	50.	U
75-00-3	Chloroethane	50.	U
75-09-2	Methylene Chloride	25.	U
67-64-1	Acetone	260.	
75-15-0	Carbon Disulfide	25.	U
75-35-4	1,1-Dichloroethene	25.	U
75-34-3	1,1-Dichloroethane	25.	U
540-59-0	1,2-Dichloroethene-total	25.	U
67-66-3	Chloroform	25.	U
107-02-2	1,2-Dichloroethane	25.	U
78-93-3	2-Butanone	50.	U
71-55-6	1,1,1-Trichloroethane	25.	U
56-23-5	Carbon Tetrachloride	25.	U
108-05-4	Vinyl Acetate	50.	U
75-27-4	Bromodichloromethane	25.	U
78-87-5	1,2-Dichloropropane	25.	U
10061-01-5	cis-1,3-Dichloropropene	25.	U
79-01-6	Trichloroethene	25.	U
124-48-1	Dibromochloromethane	25.	U
79-00-5	1,1,2-Trichloroethane	25.	U
71-43-2	Benzene	25.	U
10061-02-6	trans-1,3-Dichloropropene	25.	U
75-25-2	Bromoform	25.	U
108-10-1	4-Methyl-2-pentanone	50.	U
591-78-6	2-Hexanone	50.	U
127-18-4	Tetrachloroethene	25.	U
79-34-5	1,1,2,2-Tetrachloroethane	25.	U
108-88-3	Toluene	25.	U
108-90-7	Chlorobenzene	25.	U
100-41-4	Ethylbenzene	25.	U
100-42-5	Styrene	25.	U
133-02-7	Xylene-total	25.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: VBLKS1

Client Sample ID: NA

Request Number ID: 2763

Sample Description: METHOD BLANK

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2953

Level: LOW

Date Received: NA

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Column: CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: VBLKS2

Client Sample ID: NA

Request Number ID: 2763

Sample Description: METHOD BLANK

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A3095

Level: LOW

Date Received: NA

% Moisture: not dec. NA

Date Analyzed: 6/06/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	10.	U
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: VBLKS3

Client Sample ID: NA

Request Number ID: 2763

Sample Description: METHOD BLANK

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A3107

Level: LOW

Date Received: NA

% Moisture: not dec. NA

Date Analyzed: 6/07/90

Column: CAP

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10.	U
74-83-9	Bromomethane	10.	U
75-01-4	Vinyl Chloride	10.	U
75-00-3	Chloroethane	10.	U
75-09-2	Methylene Chloride	5.	U
67-64-1	Acetone	13.	
75-15-0	Carbon Disulfide	5.	U
75-35-4	1,1-Dichloroethene	5.	U
75-34-3	1,1-Dichloroethane	5.	U
540-59-0	1,2-Dichloroethene-total	5.	U
67-66-3	Chloroform	5.	U
107-02-2	1,2-Dichloroethane	5.	U
78-93-3	2-Butanone	10.	U
71-55-6	1,1,1-Trichloroethane	5.	U
56-23-5	Carbon Tetrachloride	5.	U
108-05-4	Vinyl Acetate	10.	U
75-27-4	Bromodichloromethane	5.	U
78-87-5	1,2-Dichloropropane	5.	U
10061-01-5	cis-1,3-Dichloropropene	5.	U
79-01-6	Trichloroethene	5.	U
124-48-1	Dibromochloromethane	5.	U
79-00-5	1,1,2-Trichloroethane	5.	U
71-43-2	Benzene	5.	U
10061-02-6	trans-1,3-Dichloropropene	5.	U
75-25-2	Bromoform	5.	U
108-10-1	4-Methyl-2-pentanone	10.	U
591-78-6	2-Hexanone	10.	U
127-18-4	Tetrachloroethene	5.	U
79-34-5	1,1,2,2-Tetrachloroethane	5.	U
108-88-3	Toluene	5.	U
108-90-7	Chlorobenzene	5.	U
100-41-4	Ethylbenzene	5.	U
100-42-5	Styrene	5.	U
133-02-7	Xylene-total	5.	U



ANALYTICAL LABORATORY SERVICES REQUEST

RUSH

Request Number: 03175

Weyerhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN P-1 CLEANUP SOIL		
Number of Samples: 7	Project Number: 045-8727	Groups: 0,1,3
Date Received: 07/16/90	Date Desired: 07/18/90	Estimated Completion Date: 07/18/90
Submitted By: MC COURT, MICK	Location: WTC 2H4	Telephone: 6513
Reviewed By: CATALANO, Dennis	Location: 2F 25	Telephone: 924-6242
Copy To: JOHN GROSS WWC 2H2 S KENDALL CH 2J28		

Sample Description and History:

Group	Series	Test Code	Test Description		
			Report Range	Report Basis	Lower Limit of Sensitivity

- 0 E BIOASSAY Bioassay - Send to Fish Lab @ 100PPM
- 1 ✓ B CLPHEN-S Chlorophenolics on solids by GC/EC ** PENTA ONLY **
- 1 ✓ D CLPHEN-W Chlorophenolics on waters by GC/EC ** PENTA ONLY ON TCLP EXTRACT **
- 3 ✓ C TCLP-EM TCLP (Extraction and metals - Ag, As, Ba, Cd, Cr, Pb, Se, Hg) TO INCL CU
- 3 A GRIND/3 GRINDING

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

53023	ABCDE	WEY-AB-C-2 7-15 740A
53024	B	WEY-AB-SBU-13 7-15 217P ★
53025	B	WEY-AB-GUN-14 7-15 230P ★
53026	B	WEY-AB-GUAE-15 7-15 237P ★
53027	BCDE	WEY-AB-CU72-16 7-15 241P (NO CU REQUESTED ON TCLP)
53028	B	WEY-AB-CB-17 7-15 248P ★
53029	ABCDE	WEY-AB-CONCRETE-C-18 7-15 338P

★ = POSSIBLE FISH BIOASSAY

Interim Report Desired?	Hazardous Samples? Yes	No	
Reference:			Record Book:
Results Approved:	Date:	Signature applies to attached pages	Page Number:

 Weyerhaeuser

Date July 26, 1990

From Richard Bogar

Location Tacoma, WTC 2F25

Subject SR# 03175 Aberdeen P-1 Cleanup Soil

To Mick McCourt WTC 2H4

Attached are the results from the samples you requested we analyze for Pentachlorophenol, TCLP Pentachlorophenol and TCLP Metals. If you have any questions about the results please contact me at X6242 or X6297.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.



Richard Bogar
Analytical Chemistry Laboratories

Attachment

cc: John Gross - WWC 2H2
S. Kendall - CH 2J28

92370351



32901 Weyerhaeuser Way South
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Analytical Chemistry Laboratories
Tacoma, Washington 98477
Tel (206) 924 6035
Fax (206) 924 6654

Weyerhaeuser Analytical Laboratories

Report
Service Request 03175

Pentachlorophenol Analysis

The samples, matrix spikes, and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration curve with point to point fitting to quantitate the results.

No recovery data are available due to the high concentration of pentachlorophenol in the samples.

Results are expressed in ug/g (ppm).

Approved

A handwritten signature in cursive script, appearing to read "Kathleen D. ...".

Date

7/20/90

92370352

R # 3175, Soils
Date 7/20/90
Analyst K.Orr

Sample #	53023	53024	53025	53026	53027	53028	53029
Client ID	WEY-AB--C-2 7-15 740A	WEY-AB- SBU-13 7-15 217P	WEY-AB- GUN-14 7-15 230P	WEY-AB- GUAE-15 7-15 230P	WEY-AB- CU72-16 7-15 241P	WEY-AB- CB-17 7-15 248P	WEY-AB- CONCRETE- C-18 7-15 338P
Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	11	900	23	170	280	14	13

92370353



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Weyerhaeuser Analytical Laboratories

Report
Service Request 03175

Aberdeen P-1 Cleanup Soil
TCLP Extracts

Pentachlorophenol Analysis

The samples and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration with point to point fitting to quantitate the results.

No matrix spike was analyzed due to the expected high concentration of pentachlorophenol in the samples.

Results are expressed in ug/g (ppm).

Approved

Kathleen A. O.

Date

7/26/90

92370354

SR # 3175, TCLP Extracts
Date 7/26/90
Analyst K.Orr

Sample #	53023	53027	53029	BLANK
Client ID	WEY-AB--C-2 7-15 740A	WEY-AB- CU72-16 7-15 241P	WEY-AB- CONCRETE- C-18 7-15 338P	

Analyte Name	(ug/mL)	(ug/mL)	(ug/mL)	
Pentachlorophenol	8	5	27	< 0.001

WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Aberdeen P-1 Cleanup Soil
SR 03175
TCLP Metals

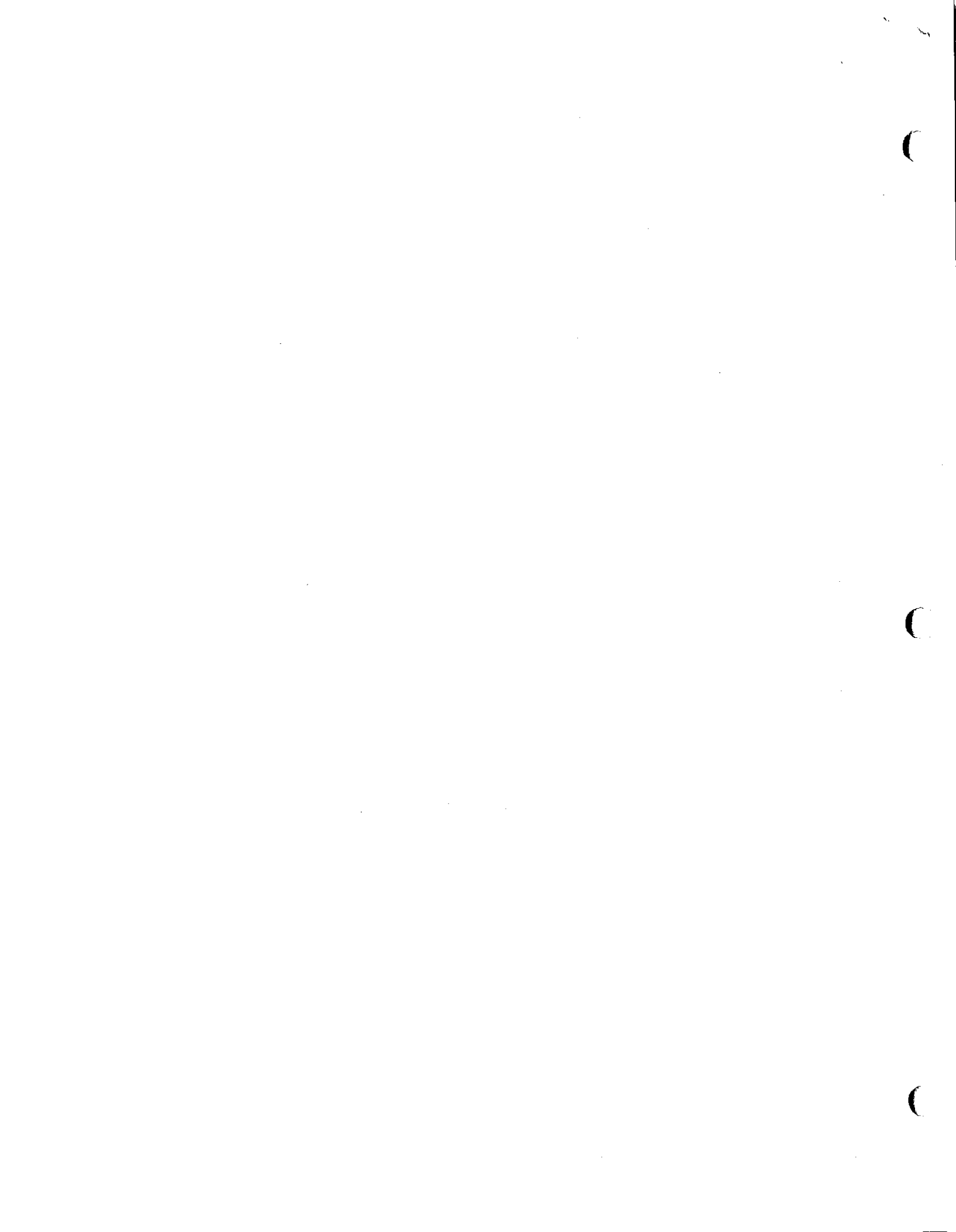
	53023 740A	53027 241P	53029 338P	53029D duplicate
Element	(mg/L in the TCLP extract)			
Ag	< .01	< .01	< .01	< .01
As	< .1	< .1	< .1	< .1
Ba	0.6	1.7	0.6	0.6
Cd	< .01	< .01	< .01	< .01
Cr	0.01	< .01	0.11	0.10
Cu	< .01	0.04	0.09	0.09
Hg	< .001	0.009	< .001	< .001
Pb	< .05	0.06	< .05	< .05
Se	< .1	< .1	< .1	< .1

92370379

Approved Mary Beth Lanza

7/24/90

Notebook _____



**Weyerhaeuser**

Date July 3, 1990
From Dennis M. Catalano
Location Tacoma, WTC 2F25
Subject SR# 02761 Aberdeen Sap Stain Control Area Sawdust Survey
To Mick McCourt WTC 2H4

Attached are the results from the samples you requested we analyze for BNAs. If you have any further questions about the results please contact me at X6242.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.

Dennis M. Catalano
Analytical Chemistry Laboratories

Attachment

FLAG QUALIFIERS DESCRIPTION

- U Indicates compound was analyzed for but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds or when the result is less than the quantitation limit.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B Indicates the compound was found in the blank as well as the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument.
- X This flag is assigned by the computer when the program has been manually adjusted by the operator. It has no significance to the number itself.



ANALYTICAL LABORATORY SERVICES REQUEST

RUSH

Request Number: 03234

Verhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN SAWMILL #89-2606-L

Number of Samples: 4

Project Number: 045-8727

Groups: 0,1

Date Received: 07/20/90

Date Desired: 07/27/90

Estimated Completion Date: 07/27/90

Submitted By: MC COURT, MICK

Location: WTC 2H4

Telephone: 6513

Reviewed By: CATALANO, Dennis

Location: 2F 25

Telephone: 924-6242

Copy To: JOHN GROSS WWC 2H2

Sample Description and History:

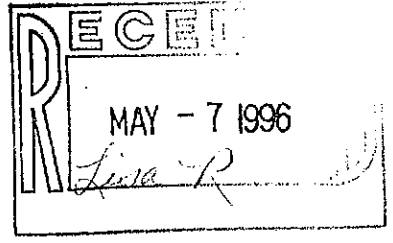
SAWDUST FROM CONVEYOR SHAFT HEAD/ SOILS FROM UNDER BULLPEN BY RAMP

Group	Series	Test Code	Test Description		
			Report Range	Report Basis	Lower Limit of Sensitivity

- 0 B BIOASSAY Bioassay - Send to Fish Lab 1000PPM
- 1 A CLPHEN-S Chlorophenolics on solids by GC/EC FOR PCP ONLY

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

53279 AB SAMPLE 101 7-16 1105
 53280 AB SAMPLE 101 DUPLICATE 7-16 1110 (NOTE: NO TESTS WERE INDICATED FOR THIS SAMPLE)
 53281 AB SAMPLE 202 7-16 0935
 53282 A SAMPLE 202 DUPLICATE 7-16 0945



Interim Report Desired?	Hazardous Samples? Yes	No	Record Book:
Reference:	Date: 7/26/90	Signature applies to attached pages	Page Number:
Results Approved: <i>Richard J. Bogar</i>			

Weyerhaeuser

32901 Weyerhaeuser Way South
Federal Way, Washington 98003
Analytical Chemistry Laboratories
Tacoma, Washington 98477
Tel (206) 924 6035
Fax (206) 924 6654

Weyerhaeuser Analytical Laboratories

Report
Service Request 03234

Pentachlorophenol Analysis

The samples and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration with point to point fitting to quantitate the results.
No matrix spike was analyzed due to the expected high concentration of pentachlorophenol in the samples.
Results are expressed in ug/g (ppm).

Approved

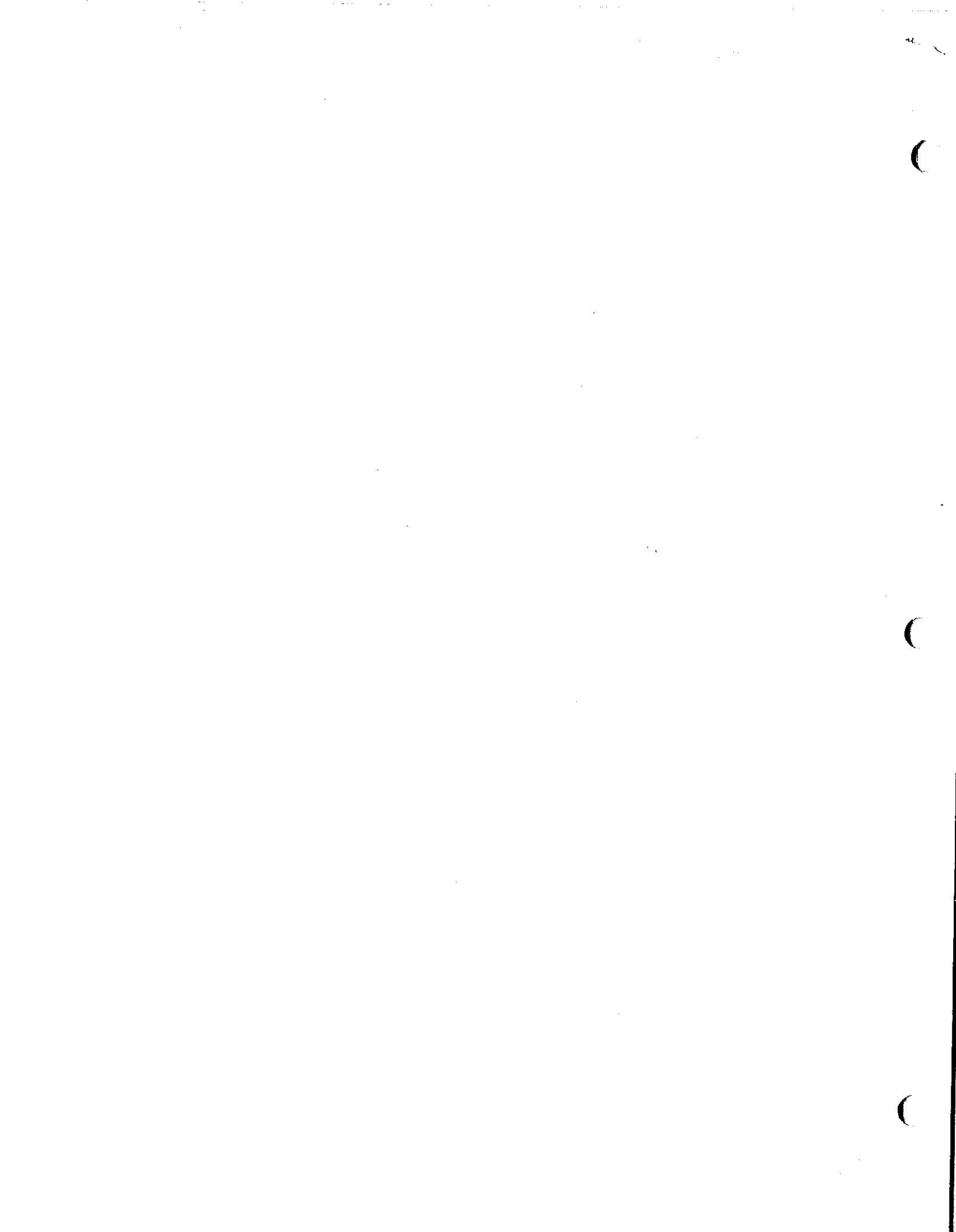
Kerth A. D.

Date 7/26/90

R # 03234
 Date 7/26/90
 Analyst K.Orr

Sample #	53279	53281	53282	Blank
Client ID	Sample 101 7-16 1105	Sample 202 7-16 0935	Sample 202 DUP 7-16 0945	

Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	15	1900	1400	0.004





ANALYTICAL LABORATORY SERVICES REQUEST

PUSH

Request Number: 03234

Weyerhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN SAWMILL #89-2606-L		
Number of Samples: 4	Project Number: 045-8727	Groups: 0,1
Date Received: 07/20/90	Date Desired: 07/27/90	Estimated Completion Date: 07/27/90
Submitted By: MC COURT, MICK	Location: WTC 2H4	Telephone: 6513
Reviewed By: CATALANO, Dennis	Location: 2F 25	Telephone: 924-6242
Copy To: JOHN GROSS WWC 2H2		

Sample Description and History:

SAWDUST FROM CONVEYOR SHAFT HEAD/ SOILS FROM UNDER BULLPEN BY RAMP

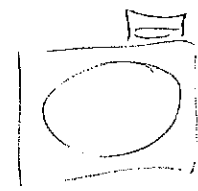
Group	Series	Test Code	Test Description		
			Report Range	Report Basis	Lower Limit of Sensitivity

- 0 B BIOASSAY Bioassay - Send to Fish Lab 1000PPM
- 1 A CLPHEN-S Chlorophenolics on solids by GC/EC FOR PCP ONLY

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

53279	AB	SAMPLE 101 7-16 1105 SAMPLE 101 DUPLICATE 7-16 1110 (NOTE: NO TESTS WERE INDICATED FOR THIS SAMPLE)
53280		
53281	AB	SAMPLE 202 7-16 0935 SAMPLE 202 DUPLICATE 7-16 0945
53282	A	

1400-1900 ppm



Interim Report Desired?	Hazardous Samples? Yes	No	Record Book:
Reference:	Results Approved: <i>Richard J. Bogen</i>		Page Number:
Date: 7/26/90	Signature applies to attached pages		



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Weyerhaeuser Analytical Laboratories

Report
Service Request 03234

Pentachlorophenol Analysis

The samples and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration with point to point fitting to quantitate the results.

No matrix spike was analyzed due to the expected high concentration of pentachlorophenol in the samples.

Results are expressed in ug/g (ppm).

Approved

Kathleen A. O.

Date

7/26/90

92370127



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Federal Way, Washington 98003
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Tacoma, Washington 98477
Tel (206) 924 6035
Fax (206) 924 6654

Weyerhaeuser Analytical Laboratories

Report
Service Request 03175

Pentachlorophenol Analysis

The samples, matrix spikes, and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration curve with point to point fitting to quantitate the results.

No recovery data are available due to the high concentration of pentachlorophenol in the samples.
Results are expressed in ug/g (ppm).

Approved

A handwritten signature in black ink, appearing to read "Karlund D. C.", written over a horizontal line.

Date

7/20/90

RR # 3175, Soils
 Date 7/20/90
 Analyst K.Orr

Sample #	53023	53024	53025	53026	53027	53028	53029
Client ID	WEY-AB--C-2 7-15 740A	WEY-AB- SBU-13 7-15 217P	WEY-AB- GUN-14 7-15 230P	WEY-AB- GUAE-15 7-15 230P	WEY-AB- CU72-16 7-15 241P	WEY-AB- CB-17 7-15 248P	WEY-AB- CONCRETE- C-18 7-15 338P
Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	11	900	23	170	280	14	13




Date July 26, 1990
From Richard Bogar
Location Tacoma, WTC 2F25
Subject SR# 03175 Aberdeen P-1 Cleanup Soil

To Mick McCourt WTC 2H4

Attached are the results from the samples you requested we analyze for Pentachlorophenol, TCLP Pentachlorophenol and TCLP Metals. If you have any questions about the results please contact me at X6242 or X6297.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.


Richard Bogar
Analytical Chemistry Laboratories

Attachment

cc: John Gross - WWC 2H2
S. Kendall - CH 2J28



32901 Weyerhaeuser Way South
Federal Way, Washington 98003
Analytical Chemistry Laboratories
Tacoma, Washington 98477
Tel (206) 924 6035
Fax (206) 924 6854

Weyerhaeuser Analytical Laboratories

Report
Service Request 03175

Pentachlorophenol Analysis

The samples, matrix spikes, and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration curve with point to point fitting to quantitate the results.

No recovery data are available due to the high concentration of pentachlorophenol in the samples.

Results are expressed in $\mu\text{g/g}$ (ppm).

Approved

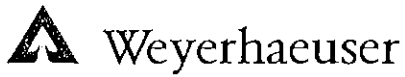
A handwritten signature in cursive script, appearing to read "Kathleen A. Owen", written over a horizontal line.

Date

7/20/90

SR # 3175, Soils
Date 7/20/90
Analyst K.Orr

Sample #	53023	53024	53025	53026	53027	53028	53029
Client ID	WEY-AB--C-2 7-15 740A	WEY-AB- SBU-13 7-15 217P	WEY-AB- GUN-14 7-15 230P	WEY-AB- GUAE-15 7-15 230P	WEY-AB- CU72-16 7-15 241P	WEY-AB- CB-17 7-15 248P	WEY-AB- CONCRETE- C-18 7-15 338P
Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	11	900	23	170	280	14	13



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Weyerhaeuser Analytical Laboratories

Report
Service Request 03175

Aberdeen P-1 Cleanup Soil
TCLP Extracts

Pentachlorophenol Analysis

The samples and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration with point to point fitting to quantitate the results.

~~No matrix spike was analyzed due to the expected high concentration of pentachlorophenol in the samples.~~

Results are expressed in ug/g (ppm).

Approved Kathleen A. O.

Date 7/26/90

SR # 3175, TCLP Extracts
Date 7/26/90
Analyst K.Orr

Sample #	53023	53027	53029	BLANK
Client ID	WEY-AB--C-2 7-15 740A	WEY-AB- CU72-16 7-15 241P	WEY-AB- CONCRETE- C-18 7-15 338P	

Analyte Name	(ug/mL)	(ug/mL)	(ug/mL)	
Pentachlorophenol	8	5	27	< 0.001

WEYERHAEUSER COMPANY
 ANALYTICAL LABORATORIES
 ATOMIC SPECTROSCOPY
 Tacoma, WA

Aberdeen P-1 Cleanup Soil
 SR 03175
 TCLP Metals

	53023 740A	53027 241P	53029 338P	53029D duplicate
Element	(mg/L in the TCLP extract)			
Ag	< .01	< .01	< .01	< .01
As	< .1	< .1	< .1	< .1
Ba	0.6	1.7	0.6	0.6
Cd	< .01	< .01	< .01	< .01
Cr	0.01	< .01	0.11	0.10
Cu	< .01	0.04	0.09	0.09
Hg	< .001	0.009	< .001	< .001
Pb	< .05	0.06	< .05	< .05
Se	< .1	< .1	< .1	< .1

Approved Mary Beth Lanza

7/24/90

Notebook _____



ANALYTICAL LABORATORY SERVICES REQUEST

RUSH

Request Number: 03175

Weyerhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN P-1 CLEANUP SOIL			
Number of Samples: 7	Project Number: 045-8727	Groups: 0, 1, 3	
Date Received: 07/16/90	Date Desired: 07/18/90	Estimated Completion Date: 07/18/90	
Submitted By: MC COURT, MICK	Location: WTC 2H4	Telephone: 6513	
Reviewed By: CATALANO, Dennis	Location: 2F 25	Telephone: 924-6242	
Copy To: JOHN GROSS WWC 2H2 S KENDALL CH 2J28			

Sample Description and History:

INTERIM REPORT

Group	Series	Test Code	Test Description		
			Report Range	Report Basis	Lower Limit of Sensitivity

- 0 E BIOASSAY Bioassay - Send to Fish Lab @ 1000PPM
- 1 B CLPHEN-S Chlorophenolics on solids by GC/EC ** PENTA ONLY **
- 1 D CLPHEN-W Chlorophenolics on waters by GC/EC ** PENTA ONLY ON TCLP EXTRACT **

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

53023	ABCDE	WEY-AB-C-2 7-15 740A
53024	B	WEY-AB-SBU-13 7-15 217P ★
53025	B	WEY-AB-GUN-14 7-15 230P ★
53026	B	WEY-AB-GUAE-15 7-15 237P ★
53027	BCDE	WEY-AB-CU72-16 7-15 241P (NO CU REQUESTED ON TCLP)
53028	B	WEY-AB-CB-17 7-15 248P ★
53029	ABCDE	WEY-AB-CONCRETE-C-18 7-15 338P

★ = POSSIBLE FISH BIOASSAY

Interim Report Desired?	Hazardous Samples? Yes	No	Record Book:
Reference:	Results Approved: <i>Mary Beth Lanza</i>		Page Number:
Date: 07/24/90		Signature applies to attached pages	

WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Aberdeen P-1 Cleanup Soil
SR 03175
TCLP Metals

	53023 740A	53027 241P	53029 338P	53029D duplicate
Element	(mg/L in the TCLP extract)			
Ag	< .01	< .01	< .01	< .01
As	< .1	< .1	< .1	< .1
Ba	0.6	1.7	0.6	0.6
Cd	< .01	< .01	< .01	< .01
Cr	0.01	< .01	0.11	0.10
Cu	< .01	0.04	0.09	0.09
Hg	< .001	0.009	< .001	< .001
Pb	< .05	0.06	< .05	< .05
Se	< .1	< .1	< .1	< .1

Approved



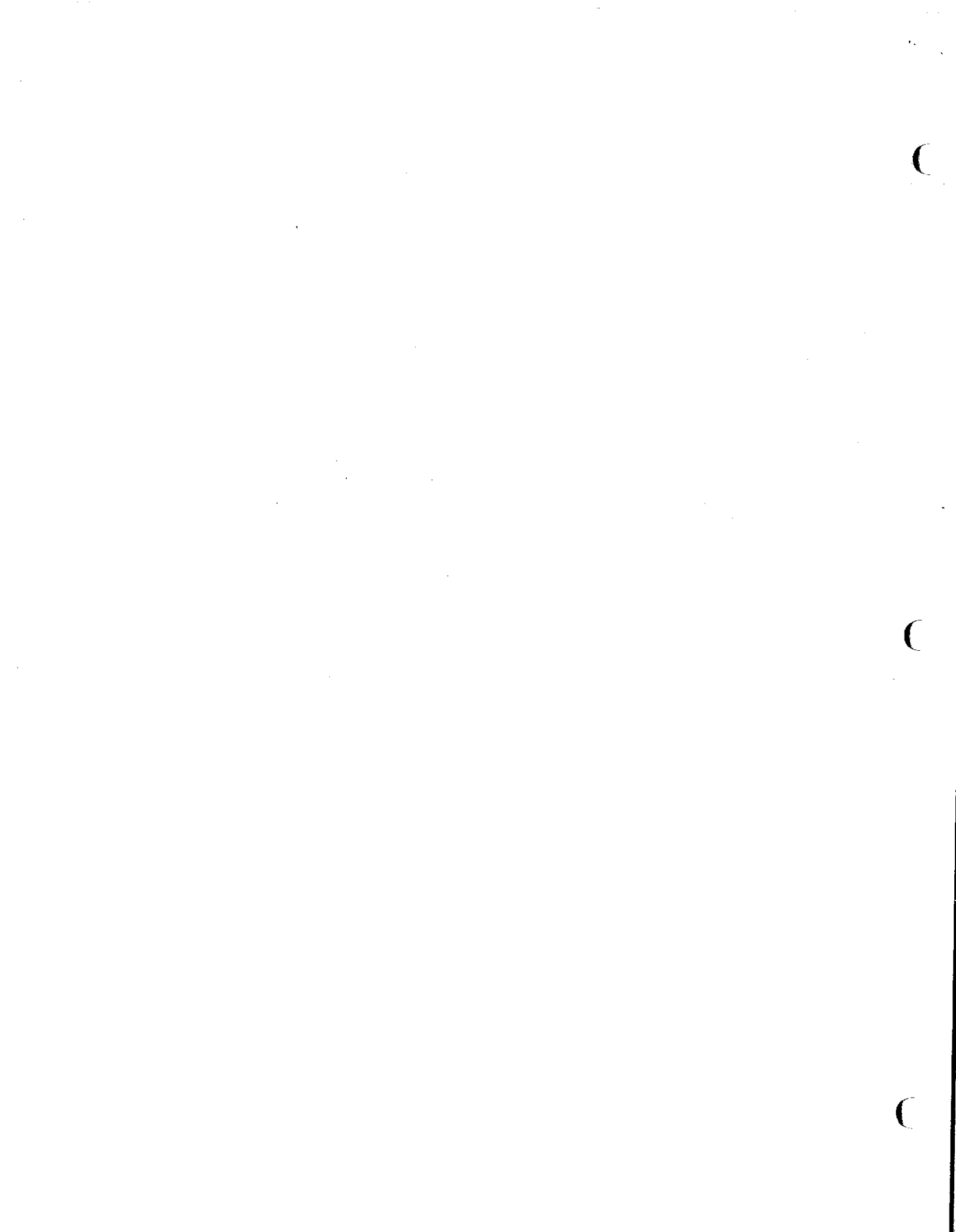
7/24/90

Notebook

IR # 03234
 Date 7/26/90
 Analyst K.Orr

Sample #	53279	53281	53282	Blank
Client ID	Sample 101 7-16 1105	Sample 202 7-16 0935	Sample 202 DUP 7-16 0945	

Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	15	1900	1400	0.004





ANALYTICAL LABORATORY SERVICES REQUEST

RUSH

Request Number: 03251

Weyerhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN NP-1/PENTA CLEANUP SOIL

Number of Samples: 4

Project Number: 045-8727

Groups: 0,1

Date Received: 07/23/90

Date Desired: 07/27/90

Estimated Completion Date: 07/27/90

Submitted By: MC COURT, MICK

Location: WTC 2H4

Telephone: 6513

Reviewed By: CATALANO, Dennis

Location: 2F 25

Telephone: 924-6242

Copy To:

Sample Description and History:

FOUR 1L ORG'S

Group	Series	Test Code	Test Description		
			Report Range	Report Basis	Lower Limit of Sensitivity

0 B BIOASSAY Bioassay - Send to Fish Lab

1 A CLPHEN-S Chlorophenolics on solids by GC/EC FOR PENTA ONLY

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

53341	AB	WEY-AB-SAP5-11	650PM	7-20
53342	AB	WEY-AB-HPC-12	657PM	7-20
53343	AB	WEY-AB-RAMP-13	715PM	7-20
53344	AB	WEY-AB-S31SW-14	719PM	7-20

Interim Report Desired?	Hazardous Samples? Yes	No
-------------------------	------------------------	----

Reference:	Record Book:		
Results Approved: <i>Richard D. Boger</i>	Date: 7/26/90	Signature applies to attached pages	Page Number:

Printed on: 07/23/90

Page: 01

92370101



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Tacoma, Washington 98477
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Weyerhaeuser Analytical Laboratories

Report
Service Request 03251

Pentachlorophenol Analysis

The samples and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration with point to point fitting to quantitate the results.

No matrix spike was analyzed due to the expected high concentration of pentachlorophenol in the samples.

Results are expressed in ug/g (ppm).

Approved

Kathleen A. O.

Date 7/26/90

92370106

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

ab Name: WEYERHAEUSER

Contract: MCCOURT

al Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

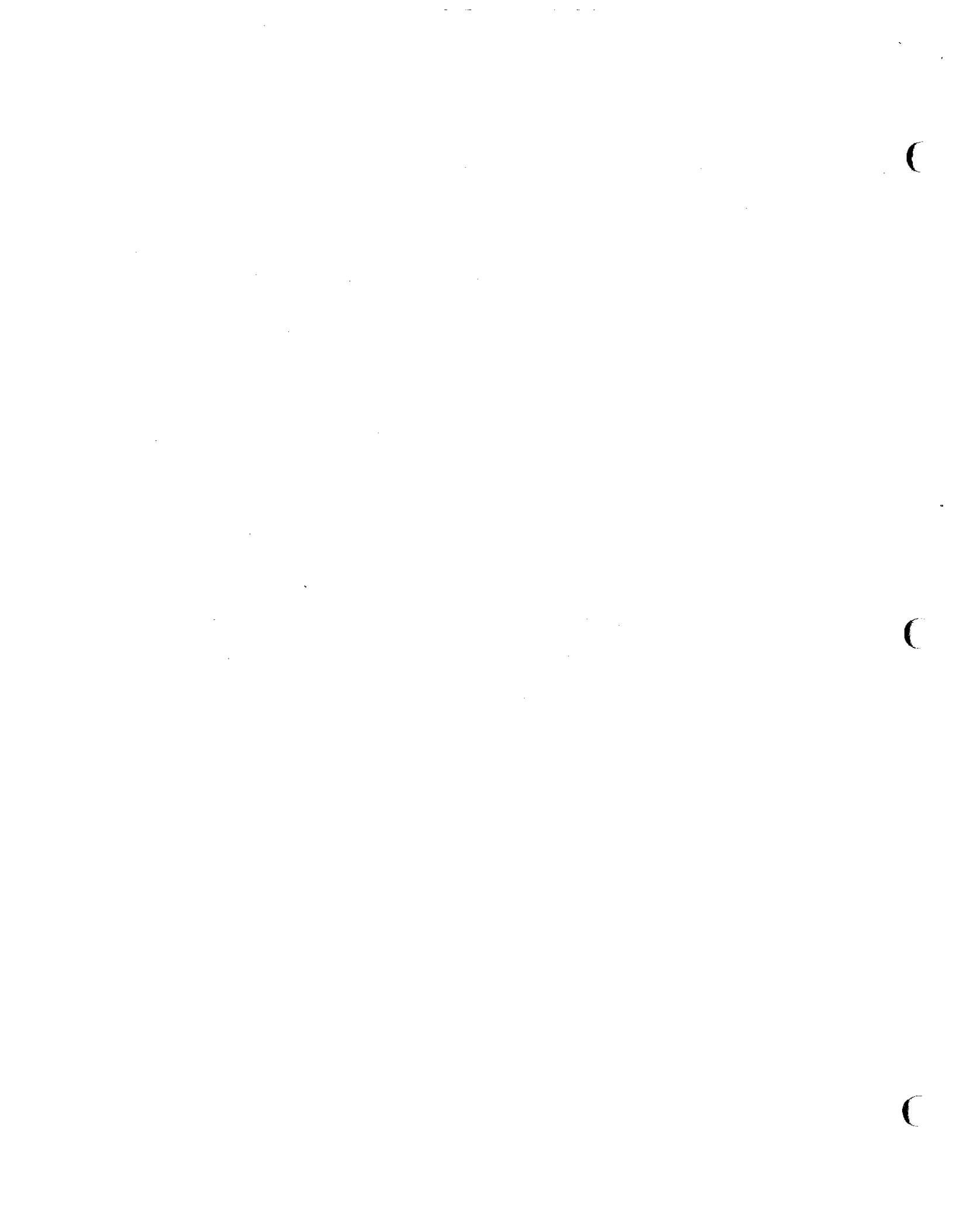
level: (low/med) LOW

EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
01 D-6S-1	93	83	61	81	87	78		0
02 D-6S-2	102	87	81	89	104	73		0
03 D-7S-1	42	109	112	89	84	60		0
04 D-7S-2	79	76	73	84	85	111		0
05 D-8S-1	95	90	81	87	94	89		0
06 D-9S-1	101	83	87	88	99	84		0
07 D-9S-1MS	100	79	76	93	88	93		0
08 SBLKS1	70	92	102	46	65	46		0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out



RUSH RUSH RUSH

ANALYTICAL LABORATORY SERVICES REQUEST

Request Number: 03644

Weyerhaeuser Research and Development - Analysis and Testing

Client: OLYMPUS ABERDEEN SAMPLES WORK ORDER 90-3057

Number of Samples: 12

Project Number: 045-8727

Groups: 0,1,3,4

Date Received: 09/04/90

Date Desired: 09/11/90

Estimated Completion Date: 09/11/90

Submitted By: HEGEDUS, JEFF

Location: OLYMPUS ENV.

Telephone:

Reviewed By: CATALANO, Dennis

Location: 2F 25

Telephone: 924-6242

Copy To: MICK MC COURT - WTC 2H4

Sample Description and History:

SOIL SAMPLES

Note: Results for some metals have been changed since the interim report. This is the final metals report and it is correct.

Group	Series	Test Code	Test Description
			Report Range
			Report Basis
			Lower Limit of Sensitivity

0 A BIOASSAY Bioassay - Send to Fish Lab

1 B BNA-S BNA on solids

B VOA-S VOA by GC/MS on solids method 8240

1 E BNA-W BNA on waters

~~TOP SCAN TOP Scan (10 Elements)~~

4 D PH-W pH of waters

**TEST(S)
ADDED 9/7**

SAMPLE(S) ADDED 9/7

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

55975	A	W1DUP*	8-31	1645
55976	A	WW7*	8-31	1650
55977	A	C3DUP*	8-31	1638
55978	A	S2DUP*	8-31	1620
55979	BC	W1	8-31	1510
55980	BC	S2	8-31	1518
55981	BC	C3	8-31	1528
55982	BC	WW5	8-31	1555
55983	BC	CP4	8-31	1538
55984	BC	WN6	8-31	1605

Interim Report Desired?

Hazardous Samples? Yes

No

Reference:

Record Book:

Results Approved:

Date:

Signature applies to attached pages

Page Number:



ANALYTICAL LABORATORY SERVICES REQUEST

Weyerhaeuser Research and Development - Analysis and Testing

Request Number: 03644

File Number	Series to Be Evaluated	Submitter's Designation
-------------	------------------------	-------------------------

56268	CD	L1 8-31 1430
56269	AE	L1DUP 8-31 1430

WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Olympus Aberdeen Samples
SR03644
Metals Analysis

Element	55979	55979	55980	55981	55982	55983
	W1	Duplicate	S2	C3	WW5	CP4
	(mg/kg, as received)					
Ag	2	2	2	2	3	2
Al	28400	30100	22700	20200	28100	25700
As	< 5	< 5	< 5	< 5	< 5	< 5
Ba	99	105	45	67	91	79
Be	< 1	< 1	< 1	< 1	1	< 1
Ca	2120	2640	3470	4510	4080	2680
Cd	< 1	< 1	< 1	< 1	< 1	< 1
Co	12	13	15	14	19	15
Cr	20	25	27	27	44	24
Cu	41	42	68	63	48	39
Fe	19400	22100	26300	23300	30900	22800
K	216	243	521	266	352	347
Mg	3200	3630	4280	3900	5050	3910
Mn	214	240	351	361	363	393
Na	391	487	224	217	353	229
Ni	18	19	23	19	23	20
Pb	< 5	5	29	697	< 5	18
Sb	< 5	< 5	< 5	6	7	< 5
Se	< 10	< 10	< 10	< 10	< 10	< 10
Tl	< 10	< 10	< 10	< 10	< 10	< 10
V	58	66	73	72	88	65
Zn	38	42	123	143	42	81

WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Olympus Aberdeen Samples
SR03644
Metals Analysis

56268

L1

Element	(ug/L)
Ag	<50
Al	311000
As	<250
Ba	1800
Be	<50
Ca	71400
Cd	<50
Co	138
Cr	772
Cu	2610
Fe	292000
K	11000
Mg	35800
Mn	4480
Na	131000
Ni	251
Pb	4910
Sb	129
Se	<500
Tl	<500
V	699
Zn	1580

Approved



9/17/90

Notebook _____



RUSH

ANALYTICAL LABORATORY SERVICES REQUEST

Request Number: 03693

Weyerhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN SAMPLES FOR BIOASSAY/SEMIVOA

Number of Samples: 7	Project Number: 045-8727	Groups: 0,1,6
Date Received: 09/07/90	Date Desired: 09/17/90	Estimated Completion Date: 09/17/90
Submitted By: MC COURT, MICK	Location: WTC 2H4	Telephone: 6513
Reviewed By: DOXSEE, Kari	Location: 2F 25	Telephone: 924-6148
Copy To:		

Sample Description and History:

1L ORG'S

Group	Series	Test Code	Test Description
			Report Range
			Report Basis
			Lower Limit of Sensitivity

0 A BIOASSAY Bioassay - Send to Fish Lab

1 B BNA-~~W~~_S BNA on waters soil

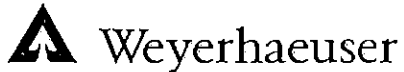
wrong times noted!
JEM

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

56355	AB	WEY-AB-NP-1-1	1415	9-7-90
56356	AB	WEY-AB-NP-1-2	1405	9-7-90
56357	AB	WEY-AB-NP-1-3	1410	9-7-90
56358	AB	WEY-AB-NP-1-4	1340	9-7-90
56359	AB	WEY-AB-NP-1-5	1345	9-7-90
56360	AB	WEY-AB-NP-1-6	1355	9-7-90
56361	AB	WEY-AB-NP-1-7	1400	9-7-90

Interim Report Desired?	Hazardous Samples? Yes	No
-------------------------	------------------------	----

Reference:	Record Book:
Results Approved: <i>Kari Doxsee</i>	Page Number:
Date: <i>9-13-90</i>	Signature applies to attached pages



Date September 13, 1990
From Dennis Catalano
Location Tacoma, WTC 2F25
Subject SR# 03693 Aberdeen Samples For Bioassay and Semivolatiles
To Mick McCourt WTC 2H4

Attached are the results from the samples you requested we analyze for BNAs. I have included sample WW7 in this SR since I have already closed out SR 3644 and this samples was added later to SR 3644. If you have any questions about the results please contact me at 924-6242.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.

A handwritten signature in cursive script, appearing to read "D. Catalano".

Dennis Catalano
Analytical Chemistry Laboratories

Attachment

93180530



Weyerhaeuser

Date July 25, 1990
 From Clyde Patterson
 Location WTC 2H4
 Subject STATIC ACUTE FISH BIOASSAYS ON ABERDEEN SAWMILL SOIL SAMPLES
 To Mick McCourt - WTC 2H4

At your request, 96-hour static acute fish bioassays were conducted on five (5) SOIL samples from Aberdeen, Washington, collected on July 13, 1990 and submitted to the Aquatic Toxicology Laboratory to determine their waste designation under the Washington State Dangerous Waste Regulations (WAC 173-303).

ABERDEEN REMOVIA SOIL TESTING----NP-1 AREA

1)	SITE 1-S1-1	1345	SR #03177	SAMPLE #53034
2)	SITE 2-S2-1	1332	SR #03177	SAMPLE #53036
3)	SITE 2-S2-4	1410	SR #03177	SAMPLE #53039
4)	SITE 3-S3-1	1345	SR #03177	SAMPLE #53041
5)	PILE-5	1420	SR #03177	SAMPLE #53040

Per your instructions, the rainbow trout (*Salmo gairdneri*) acute bioassays were completed on the samples in triplicate concentrations of 1000 ppm ONLY. Ten juvenile fish in each test concentration were exposed to the waste samples for a period of 96 hours. No fish mortality was observed in the control or sample numbers 1 and 5. These samples were not acutely toxic to rainbow trout.

The toxicity testing of sample numbers 2, 3 and 4 resulted in 100 percent fish mortality at 1000 ppm. These samples exhibit at MINIMUM, characteristics of a DANGEROUS WASTE according to the bioassay criteria of the regulations. The results of the toxicity testing are summarized on the attached Aquatic Toxicology Laboratory data sheets.

The bioassay procedure for this testing followed guidelines established by the Washington State Department of Ecology, "Biological Testing Methods-Part A, Static Acute Fish Toxicity Test" D.O.E. 80-12, Revised July 1981.

If you have any questions regarding these results, give me a call at 6590.

Clyde Patterson

Clyde Patterson
 Environmental Technician
 ckw/c74/0725

Attachments

cc: Barry Firth - WTC 2H4
 Dan Sjolseth - WTC 2H2



UNIVERSITY OF CALIFORNIA
AQUATIC TOXICOLOGY LABORATORY

DATA SHEET FOR STATIC ACUTE FISH BIOASSAY TOXICITY TEST

SAMPLE ORIGINATOR Mc Couf TEST INITIATION DATE 7/13/90 TIME 1830
 ADDRESS Aberdeen Peninsula, Calif TEST COMPLETION DATE _____
 COLLECTOR _____ TEST ORGANISM RAINBOW TROUT TEST METHOD _____
 DATE SAMPLE COLLECTED _____ REQUIRED TEST TEMPERATURE RANGE 12°C ± 1.0°C ANALYST CYNDE PATTERSON

SAMPLE REFERENCE NUMBER / NAME	TEST CONTAINER NO.	TEST CONC.	TEST CHAMBER DATA												COMMENTS					
			BIOASSAY DATA			DISSOLVED OXYGEN (mg/L)			PH 25°C			TEMPERATURE (C)								
			0	24	48	0	24	48	0	24	48	0	24	48						
Site 1 S-1-1	1	1000 ppm	0	0	0	9.5	6.7	9.7	10.0	7.3	9.4	7.6	7.8	7.6	12	12	12	12	12	12
	2	1000 ppm	0	0	0	9.2	6.6	9.8	10.1	7.3	7.9	7.5	7.7	7.5	12	12	12	12	12	12
	3	1000 ppm	0	0	0	9.7	6.7	10.1	10.3	7.5	7.9	7.6	7.8	7.6	12	12	12	12	12	12
Site 2 S-2-1	1	1000 ppm	0	0	0	10.3	9.6	—	—	—	—	—	—	—	12	—	—	—	—	—
	2	1000 ppm	0	0	0	10.4	9.9	—	—	—	—	—	—	—	12	—	—	—	—	—
	3	1000 ppm	0	0	0	10.1	10.0	—	—	—	—	—	—	—	12	—	—	—	—	—
Pile 5	1	1000 ppm	0	0	0	9.3	6.7	9.9	10.4	7.4	7.3	8.0	7.8	7.5	12	12	12	12	12	12
	2	1000 ppm	0	0	0	9.9	7.1	10.1	10.6	7.6	7.4	8.1	7.8	7.6	12	12	12	12	12	12
	3	1000 ppm	0	0	0	10.4	6.5	9.8	10.1	7.8	7.3	8.0	7.7	7.5	12	12	12	12	12	12

SAMPLE DESCRIPTION(S) Soil SPLS LONGEST _____ SHORTEST _____ RATIO (LONG:SHORT) _____
 TEST ORGANISM: _____ MEAN LENGTH _____ TEST ORGANISM LOADING DENSITY _____ DILUTION WATER SOURCE: FEDERAL WAY WEL
 AVERAGE WEIGHT _____ NUMBER OF ORGANISMS PER CHAMBER 10 DILUTION WATER HARDNESS 7.9 mg/L (CaCO₃) DILUENT ALKALINITY 7.3 mg/L (CaCO₃)
 COMMENTS _____ DATA VERIFIED BY Pat H. Fink DATE 7-23-90



**WEYERRHAUSEL TECHNOLOGY CENTER
AQUATIC TOXICOLOGY LABORATORY**

DATA SHEET FOR STATIC ACUTE FISH BIOASSAY TOXICITY TEST

SAMPLE ORIGINATOR Mc Court TEST INITIATION DATE 7/13/90 TIME 1430
 ADDRESS Arcades Removal Site TEST COMPLETION DATE _____ TIME _____ TEST METHOD _____
 COLLECTOR _____ TEST ORGANISM RAINBOW TROUT ANALYST CYNDE PATTERSON
 DATE SAMPLE COLLECTED _____ REQUIRED TEST TEMPERATURE RANGE 12°C ± 1.0°C

SAMPLE REFERENCE NUMBER / NAME	TEST CONTAINER NO.	TEST CONC.	TEST CHAMBER DATA												COMMENTS								
			BIOASSAY DATA						PH 25°C							TEMPERATURE (C)							
			NUMBER OF CUMULATIVE MORTALITIES			DISSOLVED OXYGEN (mg/L)			0			24				48			0	24	48	72	96
Site 3	1	1000 ppm	0	24	48	72	96	10.3	8.8	7.8	7.4	12	12	12	12								
SB-1	2	1000 ppm	0	24	48	72	96	10.2	8.2	7.7	7.4	12	12	12	12								
	3	1000 ppm	0	24	48	72	96	10.1	8.0	7.8	7.5	12	12	12	12								
Control			F	S	S	A	T									8.1	12	12	12				

SAMPLE DESCRIPTION(S) SOIL SPLS LONGEST _____ SHORTTEST _____ RATIO (LONG:SHORT) _____
 TEST ORGANISM: _____ TEST ORGANISM LOADING DENSITY _____ DILUTION WATER SOURCE FEDERAL WAY WELL
 AVERAGE WEIGHT _____ TEST ORGANISM LOADING DENSITY _____ mg/L (CaCO₃) DILUENT ALKALINITY 7.3 mg/L (CaCO₃)
 NUMBER OF ORGANISMS PER CHAMBER 10 DILUTION WATER HARDNESS 7.4 DATA VERIFIED BY Ray H. Ford
 DILUTION WATER CONDUCTIVITY 200 (µS/cm) DATE 7-23-90



WATER QUALITY TECHNOLOGY CENTER AQUATIC TOXICOLOGY LABORATORY

DATA SHEET FOR STATIC ACUTE FISH BIOASSAY TOXICITY TEST

SAMPLE ORIGINATOR MICK McCOURT TEST INITIATION DATE 7-16-90 TIME _____
 ADDRESS WTC 24A TEST COMPLETION DATE 7-20-90 TIME _____
 COLLECTOR MICK McCOURT TEST ORGANISM RAINBOW TROUT TEST METHOD _____
 DATE SAMPLE COLLECTED 7-13-90 REQUIRED TEST TEMPERATURE RANGE 12°C ± 1.0°C ANALYST CHYDE PATTERSON

SAMPLE REFERENCE NUMBER / NAME	TEST CONTAINER NO.	TEST CONC.	BIOASSAY DATA												TEST CHAMBER DATA												COMMENTS
			NUMBER OF CUMULATIVE MORTALITIES						DISSOLVED OXYGEN (mg/L)						PH 25°C						TEMPERATURE (C)						
			0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	
WEY - AB-SITE 252-4		1000 ppm	0	10	—	—	—	—	—	—	10.75	—	—	—	—	—	8.0	7.6	—	—	—	12	12	—	—	—	
2-10 AM. 7-13-90		1000 ppm	0	10	—	—	—	—	—	—	10.72	—	—	—	—	—	8.0	7.6	—	—	—	12	12	—	—	—	
S'R # 03177		1000 ppm	0	10	—	—	—	—	—	—	10.77	—	—	—	—	—	8.1	7.7	—	—	—	12	12	—	—	—	
SPL # 53039																											
CONTROL			0	0	0	0	0	0	0	0	10.75	7.3*	9.3	8.0	7.7	7.7	8.0	8.0	7.7	7.7	7.7	12	12	13	13	13	
			M	T	W	T	F																				

SAMPLE DESCRIPTION(S) BROWN COLORED SOIL LONGEST _____ SHORTEST _____ RATIO (LONG-SHORT) _____
 TEST ORGANISM: _____ MEAN LENGTH _____ TEST ORGANISM LOADING DENSITY _____ DILUTION WATER SOURCE FEDERAL WAY WEL
 AVERAGE WEIGHT _____ NUMBER OF ORGANISMS PER CHAMBER 10 DILUTION WATER CONDUCTIVITY 200 (µS/cm) DILUTION WATER HARDNESS 74 (mg/L CaCO₃) DILUENT ALKALINITY 73 (mg/L Ca)
 COMMENTS * HEATED DATA VERIFIED BY CHYDE PATTERSON DATE 7-23-90



Weyerhaeuser

Date July 26, 1990

From Clyde Patterson

Location WTC 2H4

Subject STATIC ACUTE FISH BIOASSAYS ON ABERDEEN SAWMILL WASTE SAMPLES

To Mick McCourt - WTC 2H4

At your request, 96-hour static acute fish bioassays were conducted on three (3) WASTE samples from Aberdeen, Washington collected on July 15, 1990 and submitted to the Aquatic Toxicology Laboratory to determine their waste designation under the Washington State Dangerous Waste Regulations (WAC 173-303).

ABERDEEN NP-1 CLEAN UP SOIL TEST

1.	WEY-AB-C-2	0740	SR #03175	SAMPLE #53023
2.	WEY-AB-CU 72	1441	SR #03175	SAMPLE #53027
3.	WEY-AB-CONCRETE-C-18	1538	SR #03175	SAMPLE #53029

Per your instructions, the rainbow trout (*Salmo gairdneri*) acute bioassays were completed on the samples in triplicate concentrations of 1000 ppm ONLY. Ten juvenile fish in each test concentration were exposed to the waste samples for a period of 96 hours. No fish mortality was observed in the control or sample number 1. This sample was not acutely toxic to rainbow trout.

The toxicity testing of sample numbers 2 and 3 resulted in 100 percent fish mortality at 1000 ppm. These samples exhibit at MINIMUM, characteristics of a DANGEROUS WASTE according to the bioassay criteria of the regulations. The results of the toxicity testing are summarized on the attached Aquatic Toxicology Laboratory data sheet.

The bioassay procedure for this testing followed guidelines established by the Washington State Department of Ecology, "Biological Testing Methods-Part A, Static Acute Fish Toxicity Test" D.O.E. 80-12, Revised July 1981.

If you have any questions regarding these results, give me a call at 6590.

Clyde Patterson
 Clyde Patterson
 Environmental Technician

pmw/d07/0726-3

Attachment

cc: Barry Firth - WTC 2H4
 John Gross - WWC 2H2
 Dan Sjolseth - WTC 2H2



**WATER-DEPENDENT TECHNOLOGY CENTER
AQUATIC TOXICOLOGY LABORATORY**

DATA SHEET FOR STATIC ACUTE FISH BIOASSAY TOXICITY TEST

SAMPLE ORGNATOR MICK McCOBERT TEST INITIATION DATE 7-16-90 TIME 1000
 ADDRESS WTC 244 TEST COMPLETION DATE 7-20-90 TIME 1000
 COLLECTOR MICK McCOBERT TEST ORGANISM RAINBOW TROUT TEST METHOD DAE 80-12
 DATE SAMPLE COLLECTED 7-15-90 REQUIRED TEST TEMPERATURE RANGE 12°C ± 1.0°C ANALYST CYNDE PATTERSON

SAMPLE REFERENCE NUMBER / NAME	TEST CON-TAINER NO.	TEST CONC.	BIOASSAY DATA												TEST CHAMBER DATA												COMMENTS
			NUMBER OF CUMULATIVE MORTALITIES						DISSOLVED OXYGEN (mg/L)						PH 25°C						TEMPERATURE (C)						
			0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	
SR # 03175 SPL # 53023		1000 ppm	0	0	0	0	0	8.0	8.0	8.0	8.0	8.0	7.7	7.6	8.1	8.1	8.1	12	12	13	13	12					
WEY-AB-C-2 7-15-90		1000 ppm	0	0	0	0	0	7.9	7.9	7.9	7.9	7.9	7.6	7.5	8.1	8.1	8.1	12	12	13	13	12					
0740 7-15-90		1000 ppm	0	0	0	0	0	7.7	7.7	7.7	7.7	7.7	7.6	7.5	8.1	8.1	8.1	12	12	13	13	12					
SR # 03175 SPL # 53027		1000 ppm	0	0	0	0	0	7.8	7.8	7.8	7.8	7.8	7.3	7.3	7.3	7.3	7.3	12	12	12	12	12					
WEY-AB-C-2 7-16-90		1000 ppm	0	0	0	0	0	5.6	5.6	5.6	5.6	5.6	7.3	7.3	7.3	7.3	7.3	12	12	12	12	12					
1441 7-15-90		1000 ppm	0	0	0	0	0	5.5	5.5	5.5	5.5	5.5	7.4	7.4	7.4	7.4	7.4	12	12	12	12	12					
SR # 03175 SPL # 53029		1000 ppm	0	0	0	0	0	6.6	6.6	6.6	6.6	6.6	8.9	8.9	8.9	8.9	8.9	12	12	12	12	12					
WEY-AB-CONCRETE C-18		1000 ppm	0	0	0	0	0	7.1	7.1	7.1	7.1	7.1	8.9	8.9	8.9	8.9	8.9	12	12	12	12	12					
1538 7-15-90		1000 ppm	0	0	0	0	0	7.1	7.1	7.1	7.1	7.1	8.9	8.9	8.9	8.9	8.9	12	12	12	12	12					
			M	T	W	T	F																				

SAMPLE DESCRIPTION(S) SOIL SAMPLES - C-18 CONCRETE
 TEST ORGANISM: RAINBOW TROUT
 AVERAGE WEIGHT 0.77 g, MEAN LENGTH 5.2 cm, LONGEST 5.8 cm, SHORTEST 4.6 cm, RATIO (LONG:SHORT) 1.2
 NUMBER OF ORGANISMS PER CHAMBER 10, TEST ORGANISM LOADING DENSITY 0.77 g/L, DILUTION WATER SOURCE FEDERAL WAY WEL
 DILUTION WATER CONDUCTIVITY 200 (µS/cm), DILUTION WATER HARDNESS 74 mg/L (CaCO₃), DILUENT ALKALINITY 73 mg/L (Ca)
 COMMENTS RUSH DATA VERIFIED BY J.M. COLE
 * L.D.W. D.O. DATE 7-24-90
 ** AET



ANALYTICAL LABORATORY SERVICES REQUEST

BUSH

Request Number: 03177

Weyerhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN REMOVIA SOIL TESTING - NP-1 AREA

Number of Samples: 9	Project Number: 045-8727	Groups: 0,1,3
Date Received: 07/16/90	Date Desired: 07/18/90	Estimated Completion Date: 07/18/90
Submitted By: MC COURT, MITCK	Location: WTC 2H4	Telephone: 6513
Reviewed By: CATALANO, Dennis	Location: 2F 25	Telephone: 924-6242
Copy To: JOHN GROSS WWC 2H2, S. KENDALL CH 2J28		

Sample Description and History:

1L MET

INTERIM REPORT

Group	Series	Test Code	Test Description		
			Report Range	Report Basis	Lower Limit of Sensitivity

- 0 E BIOASSAY Bioassay - Send to Fish Lab @ 1000PPM
- 1 A ACIDS Acids by GC/MS ** PCP BY GC/ECD **
- 1 D CLPHEN-W Chlorophenolics on waters by GC/EC PENTA ON TCLP EXTRACT

[REDACTED]

[REDACTED]

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

- 53034 AE S1-1
- 53035 A S1-2 *
- 53036 AE S2-1
- 53037 ABCD S2-2*
- 53038 ABCD S2-3*
- 53039 ABCD S2-4*
- 53040 AE PILE 5
- 53041 AE S3-1
- 53042 A S3-2*

* HOLD FOR POSSIBLE BIOASSAY.

Interim Report Desired?	Hazardous Samples? Yes	No
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Reference:	Record Book:
Results Approved: <i>Mary Beth Lanzetta</i>	Date: 07/14/90
Signature applies to attached pages	Page Number:

Printed on: 07/16/90

Page: 01

WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Aberdeen Removia Soil Testing - NP-1 Area
SR 03177

TCLP Metals

	53037 S2-2	53038 S2-3	53038D duplicate	53039 S2-4
Element	(mg/L in the TCLP extract)			
Ag	< .01	< .01	< .01	< .01
As	< .1	< .1	< .1	< .1
Ba	1.8	1.7	1.7	1.8
Cd	< .01	< .01	< .01	< .01
Cr	0.06	< .01	0.02	< .01
Cu	0.02	< .01	< .01	0.01
Hg	0.116	0.008	0.009	0.067
Pb	0.84	< .05	< .05	2.71
Se	< .1	< .1	< .1	< .1

Total Copper

	53037 S2-2	53037D duplicate	53038 S2-3	53039 S2-4
Element	(mg/kg, as rec'd basis)			
Cu	32	26	22	33

Approved Mary Beth Lantry

7/24/90

Notebook _____



ANALYTICAL LABORATORY SERVICES REQUEST

RUSH

Weyerhaeuser Research and Development - Analysis and Testing

Request Number: 03177

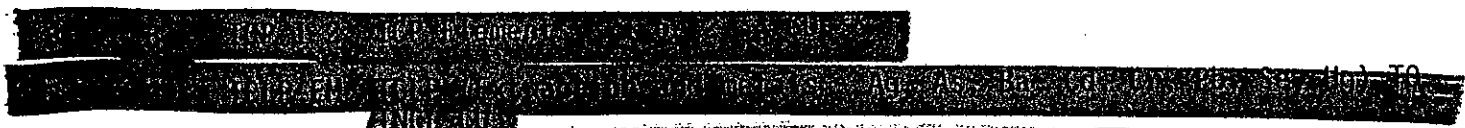
Title: ABERDEEN REMOVIA SOIL TESTING - NP-1 AREA		
Number of Samples: 9	Project Number: 045-8727	Groups: 0,1,3
Date Received: 07/16/90	Date Desired: 07/18/90	Estimated Completion Date: 07/18/90
Submitted By: MC COURT, MICK	Location: WTC 2H4	Telephone: 6513
Reviewed By: CATALANO, Dennis	Location: 2F 25	Telephone: 924-6242
Copy To: JOHN GROSS WWC 2H2, S. KENDALL CH 2J28		

Sample Description and History:

1L MET

Group	Series	Test Code	Test Description	Report Range	Report Basis	Lower Limit of Sensitivity
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- 0 E BIOASSAY Bioassay - Send to Fish Lab @ 1000PPM
- 1 A ACIDS Acids by GC/MS ** PCP BY GC/ECD **
- 1 ✓ D CLPHEN-W Chlorophenolics on waters by GC/EC PENTA ON TCLP EXTRACT



INTERIM SENT 7/24/90 (MBL)

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

- 53034 AE S1-1
- 53035 A S1-2 *
- 53036 AE S2-1
- 53037 ABCD S2-2*
- 53038 ABCD S2-3*
- 53039 ABCD S2-4*
- 53040 AE PILE 5
- 53041 AE S3-1
- 53042 A S3-2*

* HOLD FOR POSSIBLE BIOASSAY.

92370281

Interim Report Desired?	Hazardous Samples? Yes	No	
Reference: OMC 7/26	Date: 07/24/90		Record Book:
Results Approved: <i>Mary Beth Lanza</i>	Signature applies to attached pages		Page Number:

WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Aberdeen Removia Soil Testing - NP-1 Area
SR 03177

TCLP Metals

Element	53037	53038	53038D	53039
	S2-2	S2-3	duplicate	S2-4
(mg/L in the TCLP extract)				
Ag	< .01	< .01	< .01	< .01
As	< .1	< .1	< .1	< .1
Ba	1.8	1.7	1.7	1.8
Cd	< .01	< .01	< .01	< .01
Cr	0.06	< .01	0.02	< .01
Cu	0.02	< .01	< .01	0.01
Hg	0.116	0.008	0.009	0.067
Pb	0.84	< .05	< .05	2.71
Se	< .1	< .1	< .1	< .1

Total Copper

Element	53037	53037D	53038	53039
	S2-2	duplicate	S2-3	S2-4
(mg/kg, as rec'd basis)				
Cu	32	26	22	33

Approved

Mary Beth Lantz

7/24/90

Notebook
92370287



Weyerhaeuser

Date July 26, 1990

From Richard Bogar

Location Tacoma, WTC 2F25

Subject SR# 03177 Aberdeen Removia Soil Testing

To Mick McCourt WTC 2H4

Attached are the results from the samples you requested we analyze for Pentachlorophenol, TCLP Pentachlorophenol, Copper and TCLP metals. If you have any questions about the results please contact me at X6242 or X6297.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.

Richard Bogar
Analytical Chemistry Laboratories

Attachment

cc: John Gross - WWC 2H2
S. Kendall - CH 2J28

92370315



32901 Weyerhaeuser Way South
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Analytical Chemistry Laboratories
Tacoma, Washington 98477
Tel (206) 924 6035
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Weyerhaeuser Analytical Laboratories

Report
Service Request 03177

Pentachlorophenol Analysis

The samples, matrix spikes, and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration curve with point to point fitting to quantitate the results.

No recovery data are available due to the high concentration of pentachlorophenol in the samples.

Results are expressed in ug/g (ppm).

Approved

Kathleen A. [Signature]

Date

7/20/90

92370316

R # 3177, Soils
Date 7/20/90
Analyst K.Orr

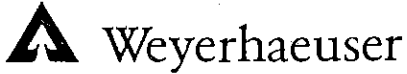
Sample #	53034	53035	53036	53037	53038	53039	53040
Client ID	S1-1	S1-2	S2-1	S2-2	S2-3	S2-4	PILE 5
Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	200	51	1800	1000	480	590	23

92370317

SR # 3177, Soils
Date 7/20/90
Analyst K.Orr

Sample #	53041	53042	Blank
Client ID	S3-1	S3-2	

Analyte Name	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	1400	950	0.0008



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Weyerhaeuser Analytical Laboratories

Report
Service Request 03177

Aberdeen Removal Soil Testing -NP-1 Area
TCLP Extracts

Pentachlorophenol Analysis

The samples and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration with point to point fitting to quantitate the results.

No matrix spike was analyzed due to the expected high concentration of pentachlorophenol in the samples.

Results are expressed in ug/g (ppm).

Approved

Kortland A. D.

Date

7/26/90

92370319

IR # 3177, TCLP Extracts
Date 7/26/90
Analyst K.Orr

Sample #	53037	53038	53039	BLANK
Client ID	S2-2	S2-3	S2-4	

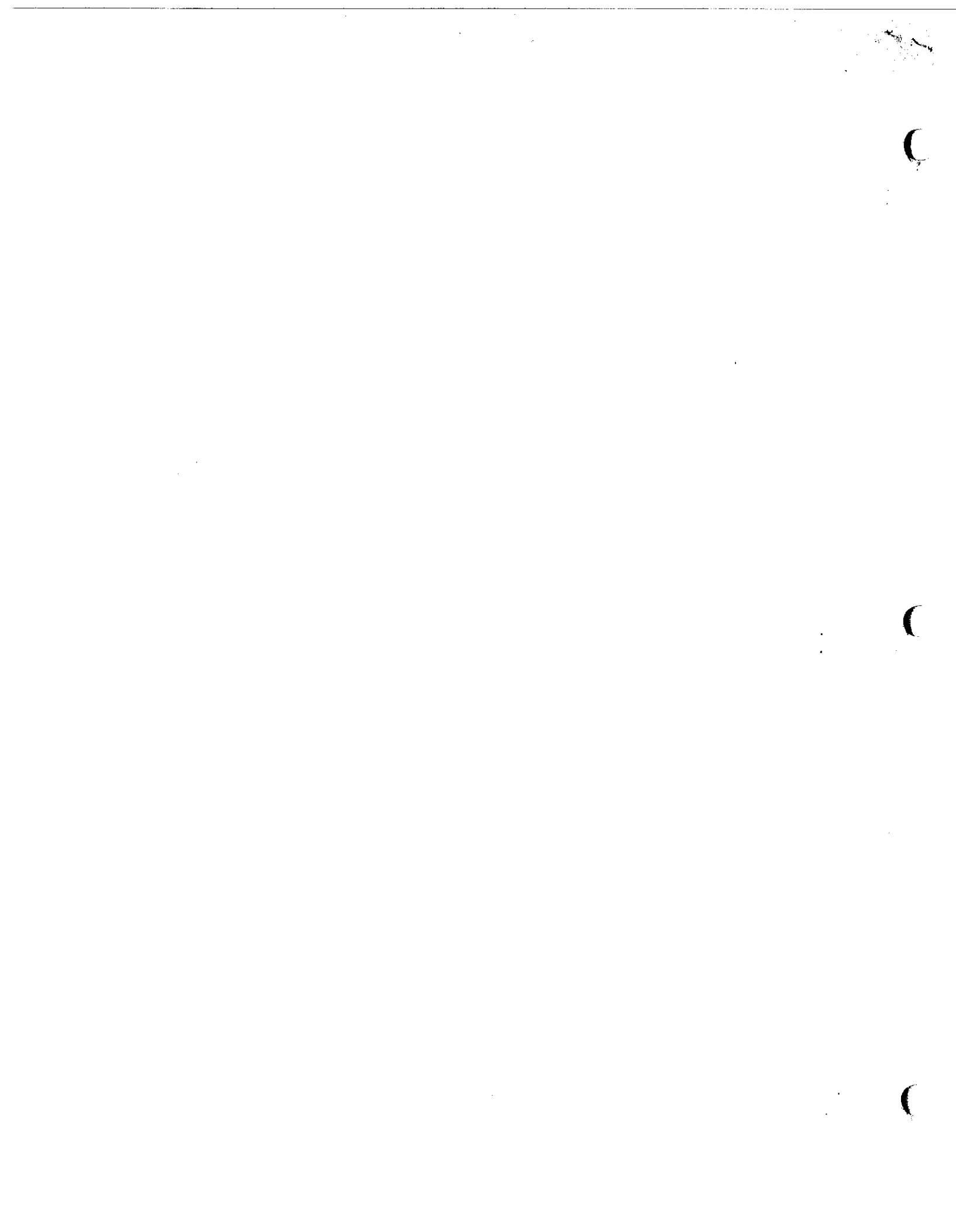
Analyte Name	(ug/mL)	(ug/mL)	(ug/mL)	(ug)
Pentachlorophenol	15	8	17	< 0.001

92370320

R # 03234
Date 7/26/90
Analyst K.Orr

Sample #	53279	53281	53282	Blank
Client ID	Sample 101 7-16 1105	Sample 202 7-16 0935	Sample 202 DUP 7-16 0945	

Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	15	1900	1400	0.004





ANALYTICAL LABORATORY SERVICES REQUEST

RUSH

Request Number: 03234

Weyerhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN SAWMILL #89-2606-L

Number of Samples: 4	Project Number: 045-8727	Groups: 0,1
Date Received: 07/20/90	Date Desired: 07/27/90	Estimated Completion Date: 07/27/90
Submitted By: MC COURT, MICK	Location: WTC 2H4	Telephone: 6513
Reviewed By: CATALANO, Dennis	Location: 2F 25	Telephone: 924-6242
Copy To: JOHN GROSS WWC 2H2		

Sample Description and History:

SAWDUST FROM CONVEYOR SHAFT HEAD/ SOILS FROM UNDER BULLPEN BY RAMP

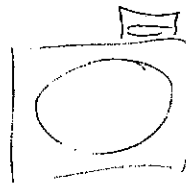
Group	Series	Test Code	Test Description		
			Report Range	Report Basis	Lower Limit of Sensitivity

- 0 B BIOASSAY Bioassay - Send to Fish Lab 1000PPM
- 1 A CLPHEN-S Chlorophenolics on solids by GC/EC FOR PCP ONLY

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

53279	AB	SAMPLE 101 7-16 1105
53280		SAMPLE 101 DUPLICATE 7-16 1110 (NOTE: NO TESTS WERE INDICATED FOR THIS SAMPLE)
53281	AB	SAMPLE 202 7-16 0935
53282	A	SAMPLE 202 DUPLICATE 7-16 0945

1400 - 1900 ppm



Interim Report Desired?	Hazardous Samples? Yes	No	
Reference:			Record Book:
Results Approved:	Date:	Signature applies to attached pages	Page Number:
<i>Richard J. Bogen</i>	7/26/90		

Printed on: 07/20/90

Page: 01

92370123



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Tacoma, Washington 98477
Tel (206) 924 6035
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Weyerhaeuser Analytical Laboratories

Report
Service Request 03234

Pentachlorophenol Analysis

The samples and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration with point to point fitting to quantitate the results.

No matrix spike was analyzed due to the expected high concentration of pentachlorophenol in the samples.

Results are expressed in ug/g (ppm).

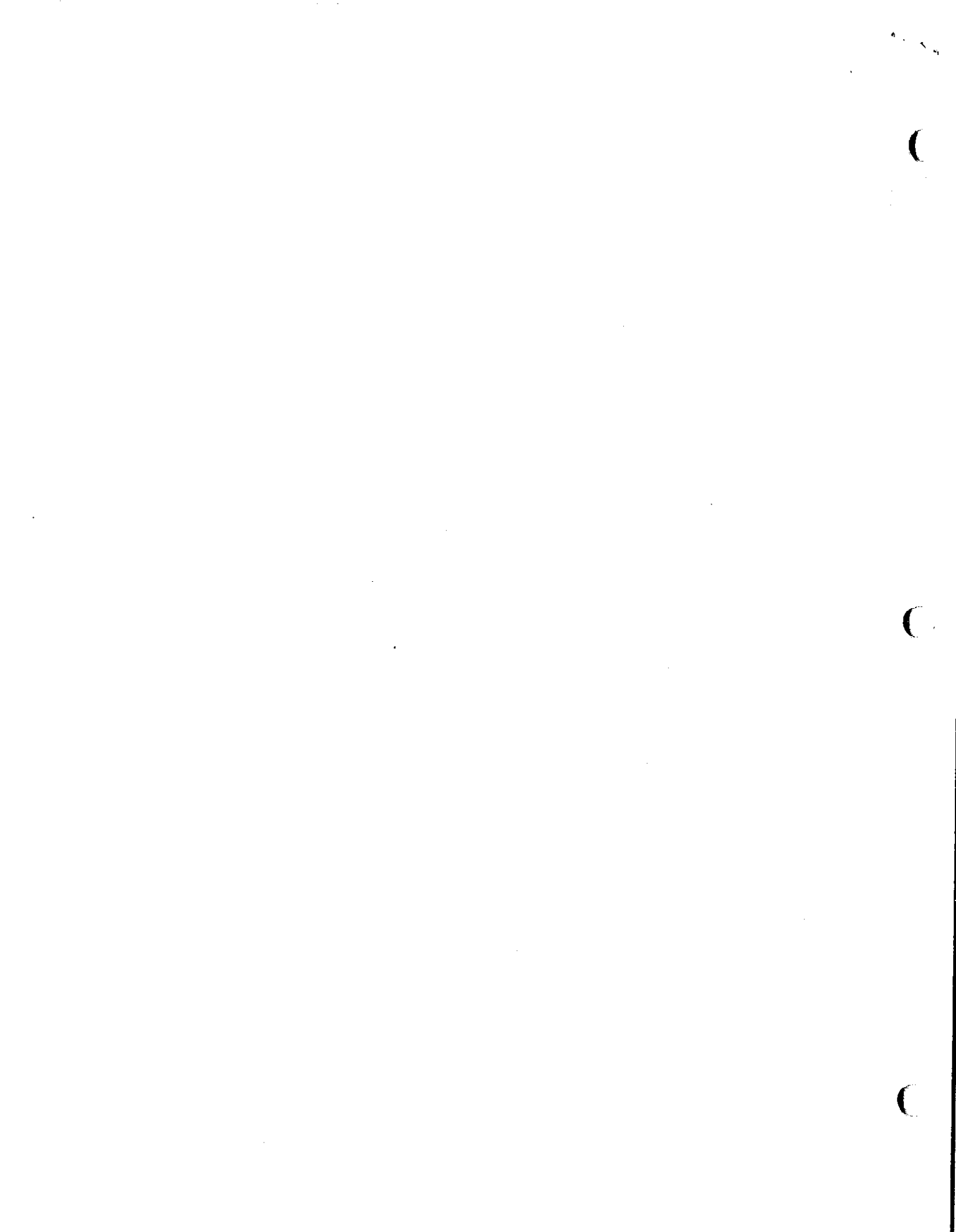
Approved Kerth D. D.

Date 7/26/90

92370127

03234
7/26/90
K.Orr
Analyst

Sample #	53279	53281	53282	Blank
Client ID	Sample 101 7-16 1105	Sample 202 7-16 0935	Sample 202 DUP 7-16 0945	
Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	15	1900	1400	0.004



RUSH



ANALYTICAL LABORATORY SERVICES REQUEST

Request Number: 03251

Weyerhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN NP-1/PENTA CLEANUP SOIL

Number of Samples: 4

Project Number: 045-8727

Groups: 0,1

Date Received: 07/23/90

Date Desired: 07/27/90

Estimated Completion Date: 07/27/90

Submitted By: MC COURT, MICK

Location: WTC 2H4

Telephone: 6513

Reviewed By: CATALANO, Dennis

Location: 2F 25

Telephone: 924-6242

Copy To:

Sample Description and History:

FOUR 1L ORG'S

Group	Series	Test Code	Test Description		
			Report Range	Report Basis	Lower Limit of Sensitivity

0 B BIOASSAY Bioassay - Send to Fish Lab

1 A CLPHEN-S Chlorophenolics on solids by GC/EC FOR PENTA ONLY

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

53341
53342
53343
53344AB
AB
AB
ABWEY-AB-SAP5-11 650PM 7-20
WEY-AB-HPC-12 657PM 7-20
WEY-AB-RAMP-13 715PM 7-20
WEY-AB-S31SW-14 719PM 7-20

Interim Report Desired?	Hazardous Samples? Yes	No	
Reference:	Record Book:		
Results Approved: <i>Richard D. Boger</i>	Date: 7/26/90	Signature applies to attached pages	Page Number:

Printed on: 07/23/90

Page: 01

92370101



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Weyerhaeuser Analytical Laboratories

Report
Service Request 03251

Pentachlorophenol Analysis

The samples and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration with point to point fitting to quantitate the results.

No matrix spike was analyzed due to the expected high concentration of pentachlorophenol in the samples.

Results are expressed in ug/g (ppm).

Approved

Kathleen A. O.

Date

7/26/90

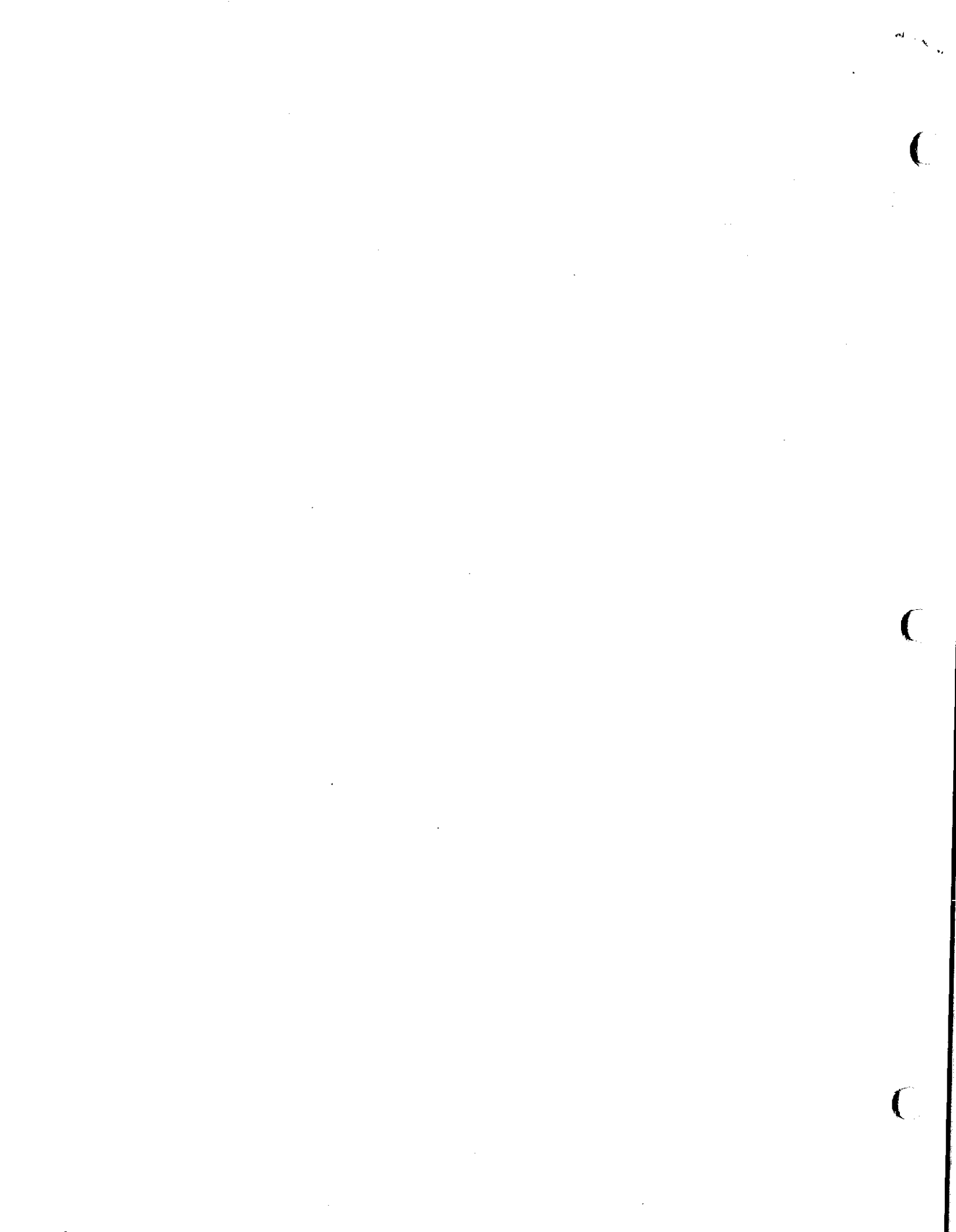
92370106

03251
7/26/90
K.Orr

Trace
Analyst

Sample # Client ID	53341 WEY-AB- SAP5-11 650PM 7-20	53342 WEY-AB- HPC-12 657PM 7-20	53343 WEY-AB- RAMP-13 715PM 7-20	53344 WEY-AB- S31SW-14 719PM 7-20	Blank
Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	220	23	2900	25000	0.004

92370107



Weyerhaeuser Analytical Laboratories

Report
Service Request 03251

Pentachlorophenol Analysis

The samples and a blank were analyzed for pentachlorophenol by capillary GC/ECD using a five point calibration with point to point fitting to quantitate the results.

No matrix spike was analyzed due to the expected high concentration of pentachlorophenol in the samples.

Results are expressed in ug/g (ppm).

Approved

Kathleen A. O.

Date

7/26/90

SR # 03251
Date 7/26/90
Analyst K.Orr

Sample #	53341	53342	53343	53344	Blank
Client ID	WEY-AB- SAPS-11 650PM 7-20	WEY-AB- HPC-12 657PM 7-20	WEY-AB- RAMP-13 715PM 7-20	WEY-AB- S31SW-14 719PM 7-20	

Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	220	23	2900	25000	0.004



ANALYTICAL LABORATORY SERVICES REQUEST

Request Number: 03629

Weyerhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN SOIL SAMPLES

Number of Samples: 6	Project Number: 045-8727	Groups: 1
Date Received: 08/30/90	Date Desired: 09/13/90	Estimated Completion Date: 09/13/90
Submitted By: MC COURT, MICK	Location: WTC 2H4	Telephone: 6513
Reviewed By: CATALANO, Dennis	Location: 2F 25	Telephone: 924-6242
Copy To:		

Sample Description and History:

SAMPLED BY PAUL FUGLEVAND

Group	Series	Test Code	Test Description		
			Report Range	Report Basis	Lower Limit of Sensitivity

1 A BNA-S BNA on solids

Sample Number	Series to Be Evaluated	Submitter's Designation
55890	A	D-6, S-1 8-30 0915
55891	A	D-6, S-2 8-30 0920
55892	A	D-7, S-1 8-30 1010
55893	A	D-7, S-2 8-30 1020
55894	A	D-8, S-1 8-30 1105
55895	A	D-9, S-1 8-30 1215

Interim Report Desired?	Hazardous Samples? Yes	No	Record Book:
Reference:	Results Approved: <i>D Catalano</i>	Date: 9/25/90	Page Number:
		Signature applies to attached pages	

A Weyerhaeuser

Date September 25, 1990
From Dennis Catalano
Location Tacoma, WTC 2F25
Subject SR# 03629 Aberdeen Soil Samples

To Mick McCourt WTC 2H4

Attached are the results from the samples you requested we analyze for BNAs. If you have any questions about the results please contact me at 924-6242.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.



Dennis Catalano
Analytical Chemistry Laboratories

Attachment

93230830

FLAG QUALIFIERS DESCRIPTION

- U Indicates compound was analyzed for but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds or when the result is less than the quantitation limit.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B Indicates the compound was found in the blank as well as the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument.
- X This flag is assigned by the computer when the program has been manually adjusted by the operator. It has no significance to the number itself.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 2BN0917L

Level: (low/med) LOW

Date Received:

Moisture: not dec. dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/18/90

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	660	U
111-44-4	bis(2-Chloroethyl)Ether	660	U
95-57-8	2-Chlorophenol	660	U
541-73-1	1,3-Dichlorobenzene	660	U
106-46-7	1,4-Dichlorobenzene	660	U
100-51-6	Benzyl Alcohol	660	U
95-50-1	1,2-Dichlorobenzene	660	U
95-48-7	2-Methylphenol	660	U
108-60-1	bis(2-Chloroisopropyl)Ether	660	U
106-44-5	4-Methylphenol	660	U
621-64-7	N-Nitroso-Di-n-Propylamine	660	U
67-72-1	Hexachloroethane	660	U
98-95-3	Nitrobenzene	660	U
78-59-1	Isophorone	660	U
88-75-5	2-Nitrophenol	660	U
105-67-9	2,4-Dimethylphenol	660	U
65-85-0	Benzoic Acid	3200	U
111-91-1	bis(2-Chloroethoxy)Methane	660	U
120-83-2	2,4-Dichlorophenol	660	U
120-82-1	1,2,4-Trichlorobenzene	660	U
91-20-3	Naphthalene	660	U
106-47-8	4-Chloroaniline	660	U
87-68-3	Hexachlorobutadiene	660	U
59-50-7	4-Chloro-3-Methylphenol	660	U
91-57-6	2-Methylnaphthalene	660	U
77-47-4	Hexachlorocyclopentadiene	660	U
88-06-2	2,4,6-Trichlorophenol	660	U
95-95-4	2,4,5-Trichlorophenol	3200	U
91-58-7	2-Chloronaphthalene	660	U
88-74-4	2-Nitroaniline	3200	U
131-11-3	Dimethyl Phthalate	660	U
208-96-8	Acenaphthylene	660	U
606-20-2	2,6-Dinitrotoluene	660	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 2BN0917L

Level: (low/med) LOW

Date Received:

Moisture: not dec. dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SDNC

Date Analyzed: 09/18/90

GC Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2	3-Nitroaniline	3200	IU
83-32-9	Acenaphthene	660	IU
51-28-5	2,4-Dinitrophenol	3200	IU
100-02-7	4-Nitrophenol	3200	IU
132-64-9	Dibenzofuran	660	IU
121-14-2	2,4-Dinitrotoluene	660	IU
84-66-2	Diethylphthalate	660	IU
7005-72-3	4-Chlorophenyl-phenylether	660	IU
86-73-7	Fluorene	660	IU
100-01-6	4-Nitroaniline	3200	IU
534-52-1	4,6-Dinitro-2-Methylphenol	3200	IU
86-30-6	N-Nitrosodiphenylamine (1)	660	IU
101-55-3	4-Bromophenyl-phenylether	660	IU
118-74-1	Hexachlorobenzene	660	IU
87-86-5	Pentachlorophenol	3200	IU
85-01-8	Phenanthrene	660	IU
120-12-7	Anthracene	660	IU
84-74-2	Di-n-Butylphthalate	660	IU
206-44-0	Fluoranthene	660	IU
129-00-0	Pyrene	660	IU
85-68-7	Butylbenzylphthalate	660	IU
91-94-1	3,3'-Dichlorobenzidine	1300	IU
56-55-3	Benzo(a)Anthracene	660	IU
218-01-9	Chrysene	660	IU
117-81-7	bis(2-Ethylhexyl)phthalate	660	IU
117-84-0	Di-n-Octyl Phthalate	660	IU
205-99-2	Benzo(b)Fluoranthene	660	IU
207-08-9	Benzo(k)Fluoranthene	660	IU
50-32-8	Benzo(a)Pyrene	660	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	660	IU
53-70-3	Dibenz(a,h)Anthracene	660	IU
191-24-2	Benzo(g,h,i)Perylene	660	IU

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

Client Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 03629 SAS No.: SDG No.: 55890
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: 2BN0917L
 Level: (low/med) LOW Date Received:
 Moisture: not dec. dec. Date Extracted: 09/07/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/18/90
 GC Cleanup: (Y/N) Y pH: Dilution Factor: 0.50

Number TICs found: 3 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.75	4500	UX
2.	UNKNOWN	28.69	3200	UX
	UNKNOWN	32.92	970	UX

into 61214

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-6S-1

Company: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55890

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN0920A

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 7 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/20/90

PC Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	710	U
111-44-4	bis(2-Chloroethyl) Ether	710	U
95-57-8	2-Chlorophenol	710	U
541-73-1	1,3-Dichlorobenzene	710	U
106-46-7	1,4-Dichlorobenzene	710	U
100-51-6	Benzyl Alcohol	710	U
95-50-1	1,2-Dichlorobenzene	710	U
95-48-7	2-Methylphenol	710	U
108-60-1	bis(2-Chloroisopropyl) Ether	710	U
106-44-5	4-Methylphenol	710	U
621-64-7	N-Nitroso-Di-n-Propylamine	710	U
67-72-1	Hexachloroethane	710	U
98-95-3	Nitrobenzene	710	U
78-59-1	Isophorone	710	U
88-75-5	2-Nitrophenol	710	U
105-67-9	2,4-Dimethylphenol	710	U
65-85-0	Benzoic Acid	3400	U
111-91-1	bis(2-Chloroethoxy)Methane	710	U
120-83-2	2,4-Dichlorophenol	710	U
120-82-1	1,2,4-Trichlorobenzene	710	U
91-20-3	Naphthalene	710	U
106-47-8	4-Chloroaniline	710	U
87-68-3	Hexachlorobutadiene	710	U
59-50-7	4-Chloro-3-Methylphenol	710	U
91-57-6	2-Methylnaphthalene	710	U
77-47-4	Hexachlorocyclopentadiene	710	U
88-06-2	2,4,6-Trichlorophenol	3400	U
95-95-4	2,4,5-Trichlorophenol	710	U
91-58-7	2-Chloronaphthalene	3400	U
88-74-4	2-Nitroaniline	710	U
131-11-3	Dimethyl Phthalate	710	U
208-96-8	Acenaphthylene	710	U
606-20-2	2,6-Dinitrotoluene	710	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-6S-1

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDS No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55890

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN0920A

Level: (low/med) LDW

Date Received: 08/30/90

Moisture: not dec. 7 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/20/90

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3400	U
83-32-9	Acenaphthene	710	U
51-28-5	2,4-Dinitrophenol	3400	U
100-02-7	4-Nitrophenol	3400	U
132-64-9	Dibenzofuran	710	U
121-14-2	2,4-Dinitrotoluene	710	U
84-66-2	Diethylphthalate	710	U
7005-72-3	4-Chlorophenyl-phenylether	710	U
86-73-7	Fluorene	710	U
100-01-6	4-Nitroaniline	3400	U
534-52-1	4,6-Dinitro-2-Methylphenol	3400	U
86-30-6	N-Nitrosodiphenylamine (1)	710	U
101-55-3	4-Bromophenyl-phenylether	710	U
118-74-1	Hexachlorobenzene	710	U
87-86-5	Pentachlorophenol	3400	U
85-01-8	Phenanthrene	710	U
120-12-7	Anthracene	710	U
84-74-2	Di-n-Butylphthalate	710	U
206-44-0	Fluoranthene	710	U
129-00-0	Pyrene	710	U
85-68-7	Butylbenzylphthalate	710	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)Anthracene	710	U
218-01-9	Chrysene	710	U
117-81-7	bis(2-Ethylhexyl)phthalate	710	U
117-84-0	Di-n-Octyl Phthalate	710	U
205-99-2	Benzo(b)Fluoranthene	710	U
207-08-9	Benzo(k)Fluoranthene	710	U
50-32-8	Benzo(a)Pyrene	710	U
193-39-5	Indeno(1,2,3-cd)Pyrene	710	U
53-70-3	Dibenz(a,h)Anthracene	710	U
191-24-2	Benzo(g,h,i)Perylene	710	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-69-2

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55891

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN0920B

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 17 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/20/90

GC Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	790	IU
111-44-4	bis(2-Chloroethyl)Ether	790	IU
95-57-8	2-Chlorophenol	790	IU
541-73-1	1,3-Dichlorobenzene	790	IU
106-46-7	1,4-Dichlorobenzene	790	IU
100-51-6	Benzyl Alcohol	790	IU
95-50-1	1,2-Dichlorobenzene	790	IU
95-48-7	2-Methylphenol	790	IU
108-60-1	bis(2-Chloroisopropyl)Ether	790	IU
106-44-5	4-Methylphenol	790	IU
621-64-7	N-Nitroso-Di-n-Propylamine	790	IU
67-72-1	Hexachloroethane	790	IU
98-95-3	Nitrobenzene	790	IU
78-59-1	Isophorone	790	IU
88-75-5	2-Nitrophenol	790	IU
105-67-9	2,4-Dimethylphenol	790	IU
65-85-0	Benzoic Acid	3800	IU
111-91-1	bis(2-Chloroethoxy)Methane	790	IU
120-83-2	2,4-Dichlorophenol	790	IU
120-82-1	1,2,4-Trichlorobenzene	790	IU
91-20-3	Naphthalene	790	IU
106-47-8	4-Chloroaniline	790	IU
87-68-3	Hexachlorobutadiene	790	IU
59-50-7	4-Chloro-3-Methylphenol	790	IU
91-57-6	2-Methylnaphthalene	790	IU
77-47-4	Hexachlorocyclopentadiene	790	IU
88-06-2	2,4,6-Trichlorophenol	790	IU
95-95-4	2,4,5-Trichlorophenol	3800	IU
91-58-7	2-Chloronaphthalene	790	IU
88-74-4	2-Nitroaniline	3800	IU
131-11-3	Dimethyl Phthalate	790	IU
208-96-8	Acenaphthylene	790	IU
606-20-2	2,6-Dinitrotoluene	790	IU

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-6S-2

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55891

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN0920B

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 17 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/20/90

Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	3800	IU
83-32-9	Acenaphthene	790	IU
51-28-5	2,4-Dinitrophenol	3800	IU
100-02-7	4-Nitrophenol	3800	IU
132-64-9	Dibenzofuran	790	IU
121-14-2	2,4-Dinitrotoluene	790	IU
84-66-2	Diethylphthalate	790	IU
7005-72-3	4-Chlorophenyl-phenylether	790	IU
86-73-7	Fluorene	790	IU
100-01-6	4-Nitroaniline	3800	IU
534-52-1	4,6-Dinitro-2-Methylphenol	3800	IU
86-30-6	N-Nitrosodiphenylamine (1)	790	IU
101-55-3	4-Bromophenyl-phenylether	790	IU
118-74-1	Hexachlorobenzene	790	IU
87-86-5	Pentachlorophenol	3800	IU
85-01-8	Phenanthrene	790	IU
120-12-7	Anthracene	790	IU
84-74-2	Di-n-Butylphthalate	790	IU
206-44-0	Fluoranthene	790	IU
129-00-0	Pyrene	790	IU
85-68-7	Butylbenzylphthalate	790	IU
91-94-1	3,3'-Dichlorobenzidine	1600	IU
56-55-3	Benzo(a)Anthracene	790	IU
218-01-9	Chrysene	790	IU
117-81-7	bis(2-Ethylhexyl)phthalate	320	IJ
117-84-0	Di-n-Octyl Phthalate	480	IJ
205-99-2	Benzo(b)Fluoranthene	790	IU
207-08-9	Benzo(k)Fluoranthene	790	IU
50-32-8	Benzo(a)Pyrene	790	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	790	IU
53-70-3	Dibenz(a,h)Anthracene	790	IU
191-24-2	Benzo(g,h,i)Perylene	790	IU

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-75-1

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55892

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN0920C

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 10 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/20/90

GC Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	730	IU
111-44-4	bis(2-Chloroethyl)Ether	730	IU
95-57-8	2-Chlorophenol	730	IU
541-73-1	1,3-Dichlorobenzene	730	IU
106-46-7	1,4-Dichlorobenzene	730	IU
100-51-6	Benzyl Alcohol	730	IU
95-50-1	1,2-Dichlorobenzene	730	IU
95-48-7	2-Methylphenol	730	IU
108-60-1	bis(2-Chloroisopropyl)Ether	730	IU
106-44-5	4-Methylphenol	730	IU
621-64-7	N-Nitroso-Di-n-Propylamine	730	IU
67-72-1	Hexachloroethane	730	IU
98-95-3	Nitrobenzene	730	IU
78-59-1	Isophorone	730	IU
88-75-5	2-Nitrophenol	730	IU
105-67-9	2,4-Dimethylphenol	730	IU
65-85-0	Benzoic Acid	3500	IU
111-91-1	bis(2-Chloroethoxy)Methane	730	IU
120-83-2	2,4-Dichlorophenol	730	IU
120-82-1	1,2,4-Trichlorobenzene	730	IU
91-20-3	Naphthalene	730	IU
106-47-8	4-Chloroaniline	730	IU
87-68-3	Hexachlorobutadiene	730	IU
59-50-7	4-Chloro-3-Methylphenol	730	IU
91-57-6	2-Methylnaphthalene	730	IU
77-47-4	Hexachlorocyclopentadiene	730	IU
88-06-2	2,4,6-Trichlorophenol	730	IU
95-95-4	2,4,5-Trichlorophenol	3500	IU
91-58-7	2-Chloronaphthalene	730	IU
88-74-4	2-Nitroaniline	3500	IU
131-11-3	Dimethyl Phthalate	730	IU
208-96-8	Acenaphthylene	730	IU
606-20-2	2,6-Dinitrotoluene	730	IU

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-7S-1

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55892

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN0920C

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 10 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/20/90

PC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3500	IU
83-32-9	Acenaphthene	730	IU
51-28-5	2,4-Dinitrophenol	3500	IU
100-02-7	4-Nitrophenol	3500	IU
132-64-9	Dibenzofuran	730	IU
121-14-2	2,4-Dinitrotoluene	730	IU
84-66-2	Diethylphthalate	730	IU
7005-72-3	4-Chlorophenyl-phenylether	730	IU
86-73-7	Fluorene	730	IU
100-01-6	4-Nitroaniline	3500	IU
534-52-1	4,6-Dinitro-2-Methylphenol	3500	IU
86-30-6	N-Nitrosodiphenylamine (1)	730	IU
101-55-3	4-Bromophenyl-phenylether	730	IU
118-74-1	Hexachlorobenzene	730	IU
87-86-5	Pentachlorophenol	3500	IU
85-01-8	Phenanthrene	1400	I
120-12-7	Anthracene	730	IU
84-74-2	Di-n-Butylphthalate	730	IU
206-44-0	Fluoranthene	730	IU
129-00-0	Pyrene	730	IU
85-68-7	Butylbenzylphthalate	730	IU
91-94-1	3,3'-Dichlorobenzidine	1500	IU
56-55-3	Benzo(a)Anthracene	730	IU
218-01-9	Chrysene	730	IU
117-81-7	bis(2-Ethylhexyl)phthalate	730	IU
117-84-0	Di-n-Octyl Phthalate	730	IU
205-99-2	Benzo(b)Fluoranthene	730	IU
207-08-9	Benzo(k)Fluoranthene	730	IU
50-32-8	Benzo(a)Pyrene	730	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	730	IU
53-70-3	Dibenz(a,h)Anthracene	730	IU
191-24-2	Benzo(g,h,i)Perylene	730	IU

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-75-2

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55893

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN0920D

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 38 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/21/90

PC Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

@

108-95-2	Phenol	1100	IU
111-44-4	bis(2-Chloroethyl) Ether	1100	IU
95-57-8	2-Chlorophenol	1100	IU
541-73-1	1,3-Dichlorobenzene	1100	IU
106-46-7	1,4-Dichlorobenzene	1100	IU
100-51-6	Benzyl Alcohol	1100	IU
95-50-1	1,2-Dichlorobenzene	1100	IU
95-48-7	2-Methylphenol	1100	IU
108-60-1	bis(2-Chloroisopropyl) Ether	1100	IU
106-44-5	4-Methylphenol	1100	IU
621-64-7	N-Nitroso-Di-n-Propylamine	1100	IU
67-72-1	Hexachloroethane	1100	IU
98-95-3	Nitrobenzene	1100	IU
78-59-1	Isophorone	1100	IU
88-75-5	2-Nitrophenol	1100	IU
105-67-9	2,4-Dimethylphenol	1100	IU
65-85-0	Benzoic Acid	5100	IU
111-91-1	bis(2-Chloroethoxy) Methane	1100	IU
120-83-2	2,4-Dichlorophenol	1100	IU
120-82-1	1,2,4-Trichlorobenzene	1100	IU
91-20-3	Naphthalene	1100	IU
106-47-8	4-Chloroaniline	1100	IU
87-68-3	Hexachlorobutadiene	1100	IU
59-50-7	4-Chloro-3-Methylphenol	1100	IU
91-57-6	2-Methylnaphthalene	180	IJ
77-47-4	Hexachlorocyclopentadiene	1100	IU
88-06-2	2,4,6-Trichlorophenol	1100	IU
95-95-4	2,4,5-Trichlorophenol	5100	IU
91-58-7	2-Chloronaphthalene	1100	IU
88-74-4	2-Nitroaniline	5100	IU
131-11-3	Dimethyl Phthalate	1100	IU
208-96-8	Acenaphthylene	1100	IU
606-20-2	2,6-Dinitrotoluene	1100	IU

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-78-2

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55893

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN0920D

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 38 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/21/90

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	5100	U
83-32-9	Acenaphthene	1100	U
51-28-5	2,4-Dinitrophenol	5100	U
100-02-7	4-Nitrophenol	5100	U
132-64-9	Dibenzofuran	1100	U
121-14-2	2,4-Dinitrotoluene	1100	U
84-66-2	Diethylphthalate	1100	U
7005-72-3	4-Chlorophenyl-phenylether	1100	U
86-73-7	Fluorene	1100	U
100-01-6	4-Nitroaniline	5100	U
534-52-1	4,6-Dinitro-2-Methylphenol	5100	U
86-30-6	N-Nitrosodiphenylamine (1)	1100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-86-5	Pentachlorophenol	5100	U
85-01-8	Phenanthrene	1100	U
120-12-7	Anthracene	1100	U
84-74-2	Di-n-Butylphthalate	1100	U
206-44-0	Fluoranthene	1100	U
129-00-0	Pyrene	1100	U
85-68-7	Butylbenzylphthalate	1100	U
91-94-1	3,3'-Dichlorobenzidine	2100	U
56-55-3	Benzo(a)Anthracene	1100	U
218-01-9	Chrysene	1100	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	U
117-84-0	Di-n-Octyl Phthalate	1100	U
205-99-2	Benzo(b)Fluoranthene	1100	U
207-08-9	Benzo(k)Fluoranthene	1100	U
50-32-8	Benzo(a)Pyrene	1100	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1100	U
53-70-3	Dibenz(a,h)Anthracene	1100	U
191-24-2	Benzo(g,h,i)Perylene	1100	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-BS-1

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55894

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN0920E

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 15 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/21/90

PC Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	770	IU
111-44-4	bis(2-Chloroethyl)Ether	770	IU
95-57-8	2-Chlorophenol	770	IU
541-73-1	1,3-Dichlorobenzene	770	IU
106-46-7	1,4-Dichlorobenzene	770	IU
100-51-6	Benzyl Alcohol	770	IU
95-50-1	1,2-Dichlorobenzene	770	IU
95-48-7	2-Methylphenol	770	IU
108-60-1	bis(2-Chloroisopropyl)Ether	770	IU
106-44-5	4-Methylphenol	770	IU
621-64-7	N-Nitroso-Di-n-Propylamine	770	IU
67-72-1	Hexachloroethane	770	IU
98-95-3	Nitrobenzene	770	IU
78-59-1	Isophorone	770	IU
88-75-5	2-Nitrophenol	770	IU
105-67-9	2,4-Dimethylphenol	770	IU
65-85-0	Benzoic Acid	3800	IU
111-91-1	bis(2-Chloroethoxy)Methane	770	IU
120-83-2	2,4-Dichlorophenol	770	IU
120-82-1	1,2,4-Trichlorobenzene	770	IU
91-20-3	Naphthalene	770	IU
106-47-8	4-Chloroaniline	770	IU
87-68-3	Hexachlorobutadiene	770	IU
59-50-7	4-Chloro-3-Methylphenol	770	IU
91-57-6	2-Methylnaphthalene	770	IU
77-47-4	Hexachlorocyclopentadiene	770	IU
88-06-2	2,4,6-Trichlorophenol	770	IU
95-95-4	2,4,5-Trichlorophenol	3800	IU
91-58-7	2-Chloronaphthalene	770	IU
88-74-4	2-Nitroaniline	3800	IU
131-11-3	Dimethyl Phthalate	770	IU
208-96-8	Acenaphthylene	770	IU
606-20-2	2,6-Dinitrotoluene	770	IU

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-88-1

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDS No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55894

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN0920E

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 15 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/21/90

GC Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	3800	IU
83-32-9	Acenaphthene	770	IU
51-28-5	2,4-Dinitrophenol	3800	IU
100-02-7	4-Nitrophenol	3800	IU
132-64-9	Dibenzofuran	770	IU
121-14-2	2,4-Dinitrotoluene	770	IU
84-66-2	Diethylphthalate	770	IU
7005-72-3	4-Chlorophenyl phenylether	770	IU
86-73-7	Fluorene	770	IU
100-01-6	4-Nitroaniline	3800	IU
534-52-1	4,6-Dinitro-2-Methylphenol	3800	IU
86-30-6	N-Nitrosodiphenylamine (1)	770	IU
101-55-3	4-Bromophenyl phenylether	770	IU
118-74-1	Hexachlorobenzene	770	IU
87-86-5	Pentachlorophenol	3800	IU
85-01-8	Phenanthrene	770	IU
120-12-7	Anthracene	770	IU
84-74-2	Di-n-Butylphthalate	770	IU
206-44-0	Fluoranthene	770	IU
129-00-0	Pyrene	770	IU
85-68-7	Butylbenzylphthalate	770	IU
91-94-1	3,3'-Dichlorobenzidine	1500	IU
56-55-3	Benzo(a)Anthracene	770	IU
218-01-9	Chrysene	770	IU
117-81-7	bis(2-Ethylhexyl)phthalate	770	IU
117-84-0	Di-n-Octyl Phthalate	770	IU
205-99-2	Benzo(b)Fluoranthene	770	IU
207-08-9	Benzo(k)Fluoranthene	770	IU
50-32-8	Benzo(a)Pyrene	770	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	770	IU
53-70-3	Dibenz(a,h)Anthracene	770	IU
191-24-2	Benzo(g,h,i)Perylene	770	IU

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-95-1

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55895

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: BN0920F

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 12 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/21/90

PC Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	750	1U
111-44-4	bis(2-Chloroethyl) Ether	750	1U
95-57-8	2-Chlorophenol	750	1U
541-73-1	1,3-Dichlorobenzene	750	1U
106-46-7	1,4-Dichlorobenzene	750	1U
100-51-6	Benzyl Alcohol	750	1U
95-50-1	1,2-Dichlorobenzene	750	1U
95-48-7	2-Methylphenol	750	1U
108-60-1	bis(2-Chloroisopropyl) Ether	750	1U
106-44-5	4-Methylphenol	750	1U
621-64-7	N-Nitroso-Di-n-Propylamine	750	1U
67-72-1	Hexachloroethane	750	1U
98-95-3	Nitrobenzene	750	1U
78-59-1	Isophorone	750	1U
88-75-5	2-Nitrophenol	750	1U
105-67-9	2,4-Dimethylphenol	750	1U
65-85-0	Benzoic Acid	3600	1U
111-91-1	bis(2-Chloroethoxy) Methane	750	1U
120-83-2	2,4-Dichlorophenol	750	1U
120-82-1	1,2,4-Trichlorobenzene	750	1U
91-20-3	Naphthalene	750	1U
106-47-8	4-Chloroaniline	750	1U
87-68-3	Hexachlorobutadiene	750	1U
59-50-7	4-Chloro-3-Methylphenol	750	1U
91-57-6	2-Methylnaphthalene	750	1U
77-47-4	Hexachlorocyclopentadiene	750	1U
88-06-2	2,4,6-Trichlorophenol	750	1U
95-95-4	2,4,5-Trichlorophenol	3600	1U
91-58-7	2-Chloronaphthalene	750	1U
88-74-4	2-Nitroaniline	3600	1U
131-11-3	Dimethyl Phthalate	750	1U
208-96-8	Acenaphthylene	750	1U
606-20-2	2,6-Dinitrotoluene	750	1U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

D-9S-1

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

Matrix: (soil/water) SOIL

Lab Sample ID: 55895

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: BN0920F

Level: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 12 dec.

Date Extracted: 09/07/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/21/90

GC Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG @

99-09-2	3-Nitroaniline	3600	IU
83-32-9	Acenaphthene	750	IU
51-28-5	2,4-Dinitrophenol	3600	IU
100-02-7	4-Nitrophenol	3600	IU
132-64-9	Dibenzofuran	750	IU
121-14-2	2,4-Dinitrotoluene	750	IU
84-66-2	Diethylphthalate	750	IU
7005-72-3	4-Chlorophenyl-phenylether	750	IU
86-73-7	Fluorene	750	IU
100-01-6	4-Nitroaniline	3600	IU
534-52-1	4,6-Dinitro-2-Methylphenol	3600	IU
86-30-6	N-Nitrosodiphenylamine (1)	750	IU
101-55-3	4-Bromophenyl-phenylether	750	IU
118-74-1	Hexachlorobenzene	750	IU
87-86-5	Pentachlorophenol	3600	IU
85-01-8	Phenanthrene	750	IU
120-12-7	Anthracene	750	IU
84-74-2	Di-n-Butylphthalate	750	IU
206-44-0	Fluoranthene	750	IU
129-00-0	Pyrene	750	IU
85-68-7	Butylbenzylphthalate	750	IU
91-94-1	3,3'-Dichlorobenzidine	1500	IU
56-55-3	Benzo(a)Anthracene	750	IU
218-01-9	Chrysene	750	IU
117-81-7	bis(2-Ethylhexyl)phthalate	750	IU
117-84-0	Di-n-Octyl Phthalate	750	IU
205-99-2	Benzo(b)Fluoranthene	750	IU
207-08-9	Benzo(k)Fluoranthene	750	IU
50-32-8	Benzo(a)Pyrene	750	IU
193-39-5	Indeno(1,2,3-cd)Pyrene	750	IU
53-70-3	Dibenz(a,h)Anthracene	750	IU
191-24-2	Benzo(g,h,i)Perylene	750	IU

(1) - Cannot be separated from Diphenylamine

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Site: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

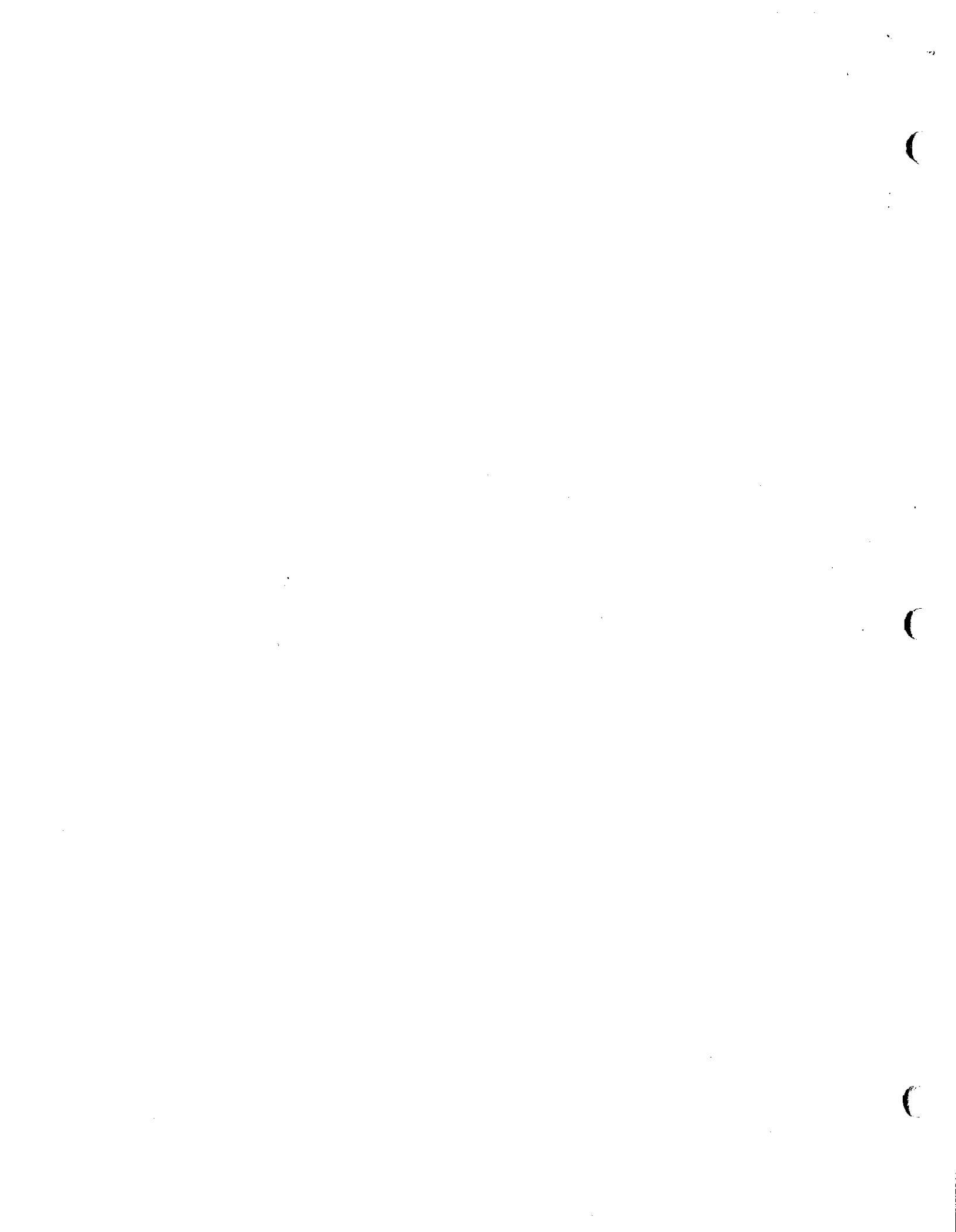
Level: (low/med) LOW

EPA	S1	S2	S3	S4	S5	S6	OTHER	TOT
SAMPLE NO.	(NBZ)#	(FBP)#	(TPH)#	(PHL)#	(2FP)#	(TBP)#		OUT
01 D-6S-1	93	83	61	61	87	78		0
02 D-6S-2	102	87	81	89	104	73		0
03 D-7S-1	42	109	112	89	84	60		0
04 D-7S-2	79	76	73	84	85	111		0
05 D-8S-1	95	90	81	87	94	89		0
06 D-9S-1	101	83	87	88	99	84		0
07 D-9S-1MS	100	79	76	93	88	93		0
08 SBLKS1	70	92	102	46	65	46		0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out



RUSH RUSH RUSH

ANALYTICAL LABORATORY SERVICES REQUEST

Request Number: 03644

Weyerhaeuser Research and Development - Analysis and Testing

Re: OLYMPUS ABERDEEN SAMPLES WORK ORDER 90-3057

Number of Samples: 12	Project Number: 045-8727	Groups: 0,1,3,4
Date Received: 09/04/90	Date Desired: 09/11/90	Estimated Completion Date: 09/11/90
Submitted By: HEGEDUS, JEFF	Location: OLYMPUS ENV.	Telephone:
Reviewed By: CATALANO, Dennis	Location: 2F 25	Telephone: 924-6242
Copy To: MICK MC COURT - WTC 2H4		

Sample Description and History:

SOIL SAMPLES

Note: Results for some metals have been changed since the interim report. This is the final metals report and it is correct.

Group	Series	Test Code	Test Description
			Report Range
			Report Basis
			Lower Limit of Sensitivity

0	A	BIOASSAY	Bioassay - Send to Fish Lab
1	B	BNA-S	BNA on solids
	B	VOA-S	VOA by GC/MS on solids method 8240
1	E	BNA-W	BNA on waters
3		TOP SCAN	TOP SCAN (> 10 ELEMENTS)
4	D	PH-W	pH of waters

**TEST(S)
ADDED 9/7**

SAMPLE(S) ADDED 9/7

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

55975	A	W1DUP*	8-31 1645
55976	A	WW7*	8-31 1650
55977	A	C3DUP*	8-31 1638
55978	A	S2DUP*	8-31 1620
55979	BC	W1	8-31 1510
55980	BC	S2	8-31 1518
55981	BC	C3	8-31 1528
55982	BC	WW5	8-31 1555
55983	BC	CP4	8-31 1538
55984	BC	WN6	8-31 1605

Interim Report Desired?	Hazardous Samples? Yes	No
-------------------------	------------------------	----

ence:	Record Book:		
Results Approved: <i>Mary Beth Fanz</i>	Date: 09/17/90	Signature applies to attached pages	Page Number:



ANALYTICAL LABORATORY SERVICES REQUEST

Request Number: 03644

Weyerhaeuser Research and Development - Analysis and Testing

File Number	Series to Be Evaluated	Submitter's Designation
-------------	------------------------	-------------------------

56268
56269

CD
AE

L1 8-31 1430
L1DUP 8-31 1430

WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Olympus Aberdeen Samples
SR03644
Metals Analysis

Element	55979 W1	55979 Duplicate	55980 S2	55981 C3	55982 WW5	55983 CP4
	(mg/kg, as received)					
Ag	2	2	2	2	3	2
Al	28400	30100	22700	20200	28100	25700
As	< 5	< 5	< 5	< 5	< 5	< 5
Ba	99	105	45	67	91	79
Be	< 1	< 1	< 1	< 1	1	< 1
Ca	2120	2640	3470	4510	4080	2680
Cd	< 1	< 1	< 1	< 1	< 1	< 1
Co	12	13	15	14	19	15
Cr	20	25	27	27	44	24
Cu	41	42	68	63	48	39
Fe	19400	22100	26300	23300	30900	22800
K	216	243	521	266	352	347
Mg	3200	3630	4280	3900	5050	3910
Mn	214	240	351	361	363	393
Na	391	487	224	217	353	229
Ni	18	19	23	19	23	20
Pb	< 5	5	29	697	< 5	18
Sb	< 5	< 5	< 5	6	7	< 5
Se	< 10	< 10	< 10	< 10	< 10	< 10
Tl	< 10	< 10	< 10	< 10	< 10	< 10
V	58	66	73	72	88	65
Zn	38	42	123	143	42	81

Approved



9/17/90

Notebook _____

WEYERHAEUSER COMPANY
ANALYTICAL LABORATORIES
ATOMIC SPECTROSCOPY
Tacoma, WA

Olympus Aberdeen Samples
SR03644
Metals Analysis

56268

L1

Element	(ug/L)
Ag	<50
Al	311000
As	<250
Ba	1800
Be	<50
Ca	71400
Cd	<50
Co	138
Cr	772
Cu	2610
Fe	292000
K	11000
Mg	35800
Mn	4480
Na	131000
Ni	251
Pb	4910
Sb	129
Se	<500
Tl	<500
V	699
Zn	1580

Approved

Mary Beth Lanza

9/17/90

Notebook _____



ANALYTICAL LABORATORY SERVICES REQUEST

Request Number: 03693

Weyerhaeuser Research and Development - Analysis and Testing

Title: ABERDEEN SAMPLES FOR BIOASSAY/SEMIVOA		
Number of Samples: 7	Project Number: 045-8727	Groups: 0,1,6
Date Received: 09/07/90	Date Desired: 09/17/90	Estimated Completion Date: 09/17/90
Submitted By: MC COURT, MICK	Location: WTC 2H4	Telephone: 6513
Reviewed By: DOXSEE, Kari	Location: 2F 25	Telephone: 924-6148
Copy To:		

Sample Description and History:

1L ORG'S

Group	Series	Test Code	Test Description		
			Report Range	Report Basis	Lower Limit of Sensitivity

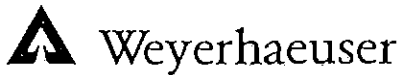
0	A	BIOASSAY	Bioassay - Send to Fish Lab		
1	B	BNA- W₃	BNA on <u>watersoil</u>		

wrong times noted!
JEM

Sample Number	Series to Be Evaluated	Submitter's Designation
---------------	------------------------	-------------------------

56355	AB	WEY-AB-NP-1-1	1415	9-7-90
56356	AB	WEY-AB-NP-1-2	1405	9-7-90
56357	AB	WEY-AB-NP-1-3	1410	9-7-90
56358	AB	WEY-AB-NP-1-4	1340	9-7-90
56359	AB	WEY-AB-NP-1-5	1345	9-7-90
56360	AB	WEY-AB-NP-1-6	1355	9-7-90
56361	AB	WEY-AB-NP-1-7	1400	9-7-90

Interim Report Desired?	Hazardous Samples? Yes	No	Record Book:
Reference:	Results Approved: <i>Kari Doxsee</i>	Date: <i>9-13-90</i>	Page Number:
		Signature applies to attached pages	



Date September 13, 1990
From Dennis Catalano
Location Tacoma, WTC 2F25
Subject SR# 03693 Aberdeen Samples For Bioassay and Semivolatiles

To Mick McCourt WTC 2H4

Attached are the results from the samples you requested we analyze for BNAs. I have included sample WW7 in this SR since I have already closed out SR 3644 and this samples was added later to SR 3644. If you have any questions about the results please contact me at 924-6242.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.

A handwritten signature in cursive script, appearing to read "D. Catalano".

Dennis Catalano
Analytical Chemistry Laboratories

Attachment

93180500

FLAG QUALIFIERS DESCRIPTION

- U Indicates compound was analyzed for but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds or when the result is less than the quantitation limit.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B Indicates the compound was found in the blank as well as the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument.
- X This flag is assigned by the computer when the program has been manually adjusted by the operator. It has no significance to the number itself.

30
SOIL SEMIVOLATILE SURROGATE RECOVERY

Client Name: WEYERHAEUSER

Contract: MCCURT

Code: WEYER

Case No.: 03693

SAS No.:

SDG No.: S6355

Level: (low/med) MED

EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TRP)#	OTHER	TOT OUT
01 ABNP11	95	93	97	91	77	84		0
02 ABNP12	89	107	90	79	73	107		0
03 ABNP12DL	79	104	84	84	94	83		0
04 ABNP13	95	89	86	81	79	84		0
05 ABNP13DL	94	102	86	89	87	85		0
06 ABNP14	99	94	94	83	80	88		0
07 ABNP15	100	91	87	83	80	85		0
08 ABNP15DL	100	105	91	96	91	87		0
09 ABNP16	99	95	89	87	83	89		0
10 ABNP17	85	89	90	72	66	100		0
11 ABNP17DL	63	91	74	66	61	73		0
12 HW7	101	96	92	85	81	97		0
13 ABNP11MS	111	96	85	86	92	99		0
14 SBLK81	99	97	93	83	84	82		0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TRP) = 2,4,6-Tribromophenol (17-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 0 Surrogates diluted out

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client Name: WEYERHAEUSER

Contract: MCCURT

Code: WEYER

Case No.: 03693

SAS No.:

SDG No.: 86355

Matrix Spike - EPA Sample No.: ABNP11

Level: (Low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS (ug/Kg)
Phenol	168000	0	142000	85	126-90
2-Chlorophenol	168000	0	134000	80	126-102
1,4-Dichlorobenzene	84200	0	79500	94	128-104
N-Nitroso-di-n-prop. (1)	84200	0	83800	100	141-126
1,2,4-Trichlorobenzene	84200	0	86500	103	138-107
4-Chloro-3-methylphenol	168000	0	141000	84	126-103
Acenaphthene	84200	0	75800	90	131-137
4-Nitrophenol	168000	0	114000	68	111-114
2,4-Dinitrotoluene	84200	0	72400	86	128-89
Pentachlorophenol	168000	3410	122000	71	117-109
Pyrene	84200	0	87000	103	139-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	MSD % RPD #	QC LIMITS RPD REC.
Phenol	100	0	0 *	200 *	35 126-90
2-Chlorophenol	100	0	0 *	200 *	50 126-102
1,4-Dichlorobenzene	50.0	0	0 *	200 *	27 128-104
N-Nitroso-di-n-prop. (1)	50.0	0	0 *	200 *	38 141-126
1,2,4-Trichlorobenzene	50.0	0	0 *	200 *	23 138-107
4-Chloro-3-methylphenol	100	0	0 *	200 *	33 126-103
Acenaphthene	50.0	0	0 *	200 *	19 131-137
4-Nitrophenol	100	0	0 *	200 *	50 111-114
2,4-Dinitrotoluene	50.0	0	0 *	250 *	47 128-89
Pentachlorophenol	100	0	-999 *	-231 *	47 117-109
Pyrene	50.0	0	0 *	200 *	36 139-142

JMS 9/13/90

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
Values outside of QC limits

RPD: 11 out of 11 outside limits
Spike Recovery: 11 out of 22 outside limits

Comments: 86355 ABNP11 (MED)
40 (2) 3200B (4) INST=FINNE

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SPG SAMPLE NO.

ABNP11

Name: WEYERHAEUSER

Contract: MCDURRY

Order: MEYER

Case No.: 03493

SAS No.:

SDB No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56355

Sample wt/vol: 1.5 (g/ml) 5

Lab File ID: 22N0911B

Extraction solvent: (unspiked) MCD

Date Received: 09/07/90

Extraction method: 21 dist.

Date Extracted: 09/10/90

Extraction media: (sepF/Cont/Sand) SONG

Date Analyzed: 09/11/90

QC P-sample: (Y/N) N

pH: 6.9

Dilution Factor: 1.0

CONCENTRATION UNITS:

CONC. NO. COMPOUND (ug/L or ug/Kg) UG/KG 2

108-93-2	Phenol	14000	10
111-44-4	bis(2-Chloroethyl) Ether	14000	10
95-57-8	2-Chlorophenol	14000	10
541-73-1	1,3-Dichlorobenzene	14000	10
106-46-7	1,4-Dichlorobenzene	14000	10
100-51-6	Benzyl Alcohol	14000	10
95-50-1	1,2-Dichlorobenzene	14000	10
95-48-7	2-Methylphenol	14000	10
108-60-1	bis(2-Chloroisopropyl) Ether	14000	10
106-44-5	4-Methylphenol	14000	10
621-34-7	N-Nitroso-Di-n-Propylamine	14000	10
67-72-1	Hexachloroethane	14000	10
98-95-3	Hexachlorobenzene	14000	10
73-59-1	Isophorone	14000	10
88-75-5	2-Nitrophenol	14000	10
105-67-9	2,4-Dimethylphenol	14000	10
55-85-0	Benzoic Acid	68000	10
111-91-1	bis(2-Chloroethoxy) Methane	14000	10
120-83-2	2,4-Dichlorophenol	14000	10
120-82-1	1,2,4-Trichlorobenzene	14000	10
91-20-3	Naphthalene	14000	10
105-47-3	4-Chloroaniline	14000	10
67-58-3	Hexachlorobutadiene	14000	10
59-50-7	4-Chloro-3-Methylphenol	14000	10
91-57-6	2-Methylnaphthalene	14000	10
77-47-4	Hexachlorocyclopentadiene	14000	10
88-04-2	2,4,6-Trichlorophenol	14000	10
95-95-4	2,4,5-Trichlorophenol	68000	10
91-58-7	2-Chloronaphthalene	14000	10
88-74-4	2-Nitroaniline	68000	10
131-11-3	Dimethyl Phthalate	14000	10
202-96-9	Acenaphthylene	14000	10
606-20-2	2,6-Dinitrotoluene	14000	10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA METHOD NO.

ABNP11

Name: WEYERHAEUSER

Contract: HCCOURT

Date: WEYER

Case No.: 03693

SAS No.:

SDS No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56355

Conc: wt/vol: 1.8 (g/mL) G

Lab File ID: ZBN091110

Level: (low/med) MED

Date Received: 09/07/90

Prep: not dec. 21 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleanup: (Y/N) N

pH: 6.9

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	68000	U
83-32-9	Acenaphthene	14000	U
51-28-5	2,4-Dinitrophenol	68000	U
100-02-7	4-Nitrophenol	68000	U
132-64-9	Dibenzofuran	14000	U
121-14-2	2,4-Dinitrotoluene	14000	U
84-66-2	Diethylphthalate	14000	U
7005-72-3	4-Chlorophenyl-phenylether	14000	U
85-73-7	Fluorene	14000	U
100-01-6	4-Nitroaniline	68000	U
534-52-1	4,6-Dinitro-2-Methylphenol	68000	U
94-36-6	N-Nitrosodiphenylamine (1)	14000	U
101-55-3	4-Bromophenyl-phenylether	14000	U
118-74-1	Hexachlorobenzene	14000	U
87-86-0	Pentachlorophenol	3400	U
85-01-8	Phenanthrene	14000	U
120-12-7	Anthracene	14000	U
84-74-2	Di-n-Butylphthalate	14000	U
206-44-0	Fluoranthene	14000	U
129-00-0	Pyrene	14000	U
85-48-7	Butylbenzylphthalate	14000	U
91-94-1	3,3'-Dichlorobenzidine	28000	U
56-55-3	Benzo(a)Anthracene	14000	U
218-01-9	Chrysene	14000	U
117-81-7	bis(2-Ethylhexyl)phthalate	14000	U
117-84-0	Di-n-Butyl Phthalate	14000	U
208-99-2	Benzo(b)Fluoranthene	14000	U
207-08-9	Benzo(k)Fluoranthene	14000	U
50-32-8	Benzo(a)Pyrene	14000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	14000	U
153-70-3	Dibenz(a,h)Anthracene	14000	U
191-24-2	Benzo(g,h,i)Perylene	14000	U

(1) - Cannot be separated from Diphenylamine

11-
 SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

BPA SAMPLE NO.

ABNF11

Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03693

SAS No.:

SDS No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56355

Sample wt/vol: 1.5 (g/mL) 9

Lab File ID: 28N0911B

Level: (low/med) MED

Date Received: 09/07/90

Disturbance: not dec. 01 dec.

Date Extracted: 09/10/90

Fracture: (Soil/Cont/Sunc) SUNC

Date Analyzed: 09/11/90

Pre-Cleanup: (Y/N) N

pH: 6.9

Dilution Factor: 1.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

Number TICS found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A8NF12

Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03693

SAS No.:

SDB No.: L6355

Matrix: (soil/water) SDIL

Lab Sample ID: 56356

Sample wt/vol: 1.1 (g/mL) S

Lab File ID: 2BW0911K

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 22 dec.

Date Extracted: 09/10/90

Reaction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleanup: (Y/N) N

pH: 5.9

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

g

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	g
108-95-2	Phenol	23000	10
111-44-4	bis(2-Chloroethyl)Ether	23000	10
95-57-9	2-Chlorophenol	23000	10
541-73-1	1,3-Dichlorobenzene	23000	10
106-46-7	1,4-Dichlorobenzene	23000	10
100-51-6	Benzyl Alcohol	23000	10
95-50-1	1,2-Dichlorobenzene	23000	10
95-48-7	2-Methylphenol	23000	10
108-60-1	bis(2-Chloroisopropyl)Ether	23000	10
105-44-5	4-Methylphenol	23000	10
621-64-7	N-Nitroso-Di-n-Propylamine	23000	10
67-72-1	Hexachloroethane	23000	10
98-95-3	Nitrobenzene	23000	10
78-59-1	Isophurone	23000	10
89-75-5	2-Nitrophenol	23000	10
105-67-9	2,4-Dimethylphenol	23000	10
65-85-0	Benzoic Acid	110000	10
111-91-1	bis(2-Chloroethoxy)Methane	23000	10
120-83-2	2,4-Dichlorophenol	23000	10
120-82-1	1,2,4-Trichlorobenzene	23000	10
91-20-3	Naphthalene	23000	10
106-47-8	4-Chloroaniline	23000	10
87-68-3	Hexachlorobutadiene	23000	10
59-50-7	4-Chloro-3-Methylphenol	23000	10
91-57-6	2-Methylnaphthalene	23000	10
77-47-4	Hexachlorocyclopentadiene	23000	10
88-06-2	2,4,6-Trichlorophenol	23000	10
95-95-4	2,4,5-Trichlorophenol	110000	10
91-55-7	2-Chloronaphthalene	23000	10
89-74-4	2-Nitroaniline	110000	10
131-11-3	Dimethyl Phthalate	23000	10
209-96-9	Acenaphthylene	23000	10
606-20-2	2,6-Dinitrotoluene	23000	10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO.

ABNF12

Name: WEYERHAEUSER

Contract: MCCOUST

Code: WEYER

Case No.: 03693

SAS No.:

SDS No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56355

Conc: wt/vol: 1.1 (g/ml) S

Lab File ID: 2DNO911K

Filter: (low/med) MED

Date Received: 07/07/90

Moisture: not det. 23 %

Date Extracted: 09/10/90

Fraction: (depF/Cont/Sonc) SUNC

Date Analyzed: 09/11/90

PC Cleanup: (Y/N) N

pH: 5.9

Dilution Factor: 100

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/L

U

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	U
99-09-2	3-Nitroaniline	110000	U
83-32-9	Arenaphthene	23000	U
51-29-5	2,4-Dinitrophenol	110000	U
100-02-7	4-Nitrophenol	110000	U
132-64-9	Dibenzofuran	23000	U
121-14-2	2,4-Dinitrotoluene	23000	U
84-64-2	Diethylphthalate	23000	U
7045-72-3	4-Chlorophenyl-phenylether	23000	U
88-73-7	Fluorene	23000	U
100-01-6	4-Nitroaniline	110000	U
534-52-1	4,6-Dinitro-2-Methylphenol	110000	U
86-30-6	N-Nitrosodiphenylamine (1)	23000	U
101-55-3	4-Bromophenyl-phenylether	23000	U
118-74-1	Hexachlorobenzene	23000	U
97-86-5	Pentachlorophenol	5000000	U
85-01-8	Phenanthrene	2700	U
120-12-7	Anthracene	23000	U
84-74-2	Di-n-Butylphthalate	23000	U
206-44-0	Fluoranthene	2900	U
129-00-0	Pyrene	23000	U
85-68-7	Butylbenzylphthalate	23000	U
91-94-1	3,3'-Dichlorobenzidine	46000	U
56-55-3	Benzo(a)Anthracene	23000	U
218-01-9	Chrysene	23000	U
117-81-7	bis(2-Ethylhexyl)phthalate	2600	U
117-84-0	Di-n-Octyl Phthalate	23000	U
205-79-2	Benzo(b)Fluoranthene	23000	U
207-08-9	Benzo(k)Fluoranthene	23000	U
50-32-8	Benzo(a)Pyrene	23000	U
193-39-3	Indeno(1,2,3-cd)Pyrene	23000	U
53-73-3	Dibenz(a,h)Anthracene	23000	U
191-24-1	Benzo(c,y,q,r)Perylene	23000	U

(1) - Toxic to aquatic life and birds

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA LAB FILE NO.

09/07/90

Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03693

SRS No.:

SDS No.: 06350

Matrix: (soil/water) SOIL

Lab Sample ID: 06350

Sample wt/vol: 1.1 (g/ml) G

Lab File ID: 20040911K

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 22 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sec) SONG

Date Analyzed: 09/11/90

GC Cleanup: (Y/N) N pH: 2.5

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 18

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	U
1. 59-31-4	12(1H)-QUINOLINONE	15.19	33000	10X
2. 17301-30-3	UNDECANE, 3,8-DIMETHYL-	15.96	12000	10X
3. 74345-98-0	DODECANE, 2,7,10-TRIMETHYL-	17.55	25000	10X
4. 58-90-2	PHENOL, 2,3,4,5-TETRACHLORO-	18.24	490000	10X
	UNKNOWN	19.12	2500	10X
5. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	22.09	21000	10X
6. 6738-04-1	1,1'-BIPHENYL, 1-PHENOXY-	24.62	15000	10X
8. 1438-62-6	1-NAPHTHYLENEPROPANOL, ALPHA	25.52	25000	10X
9.	UNKNOWN	32.67	12000	10X
10.	UNKNOWN	33.11	9500	10X
11.	UNKNOWN	33.42	37000	10X
12.	UNKNOWN	34.71	20000	10X
13.	UNKNOWN	34.79	46000	10X
14.	UNKNOWN	36.97	48000	10X
15.	UNKNOWN	33.31	24000	10X
16.	UNKNOWN	35.81	12000	10X
17.	UNKNOWN	36.62	19000	10X
18.	UNKNOWN	37.61	75000	10X

ADNF12DL

Name: MEYERHAEUSER

Contract: MDCOUKT

Code: MEYER

Case No.: 03693

SAS No.:

SDB No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56356DL

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: SBN0911L

Flow: (low/med) MED

Date Received: 09/07/90

Moisture: not det. 22 det.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleaner: (Y/N) N pH: 5.9

Dilution Factor: 20

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	U
108-93-2	Phenol	460000	10
111-44-4	Bis(2-Chloroethyl)Ether	460000	10
95-57-9	2-Chlorophenol	460000	10
541-73-1	1,3-Dichlorobenzene	460000	10
106-46-7	1,4-Dichlorobenzene	460000	10
100-51-6	Benzyl Alcohol	460000	10
95-50-1	1,2-Dichlorobenzene	460000	10
95-48-7	2-Methylphenol	460000	10
100-60-1	bis(2-Chloroisopropyl)Ether	460000	10
106-44-5	4-Methylphenol	460000	10
621-64-7	N-Nitroso-Di-n-Propylamine	460000	10
67-72-1	Hexachloroethane	460000	10
98-95-3	Nitrobenzene	460000	10
78-59-1	Isophorone	460000	10
88-75-5	2-Nitrophenol	460000	10
105-67-9	2,4-Dimethylphenol	460000	10
65-85-0	Benzoic Acid	2200000	10
111-91-1	bis(2-Chloroethoxy)Methane	460000	10
120-83-2	2,4-Dichlorophenol	460000	10
120-82-1	1,2,4-Trichlorobenzene	460000	10
91-20-3	Naphthalene	460000	10
106-47-8	4-Chloroaniline	460000	10
87-68-3	Hexachlorobutadiene	460000	10
59-50-7	4-Chloro-3-Methylphenol	460000	10
91-57-6	2-Methylnaphthalene	460000	10
77-47-4	Hexachlorocyclopentadiene	460000	10
88-06-2	2,4,6-Trichlorophenol	460000	10
95-95-4	2,4,6-Trichlorophenol	72000	103
91-88-7	2-Chloronaphthalene	460000	10
88-74-4	2-Nitroaniline	2200000	10
131-11-3	Dimethyl Phthalate	460000	10
208-96-9	Acenaphthylene	460000	10
608-20-2	2,6-Dinitrotoluene	460000	10

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 SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO.

48NP12DL

Name: WEYERHAEUSER

Contract: MCCOURT

Order: MEYER

Case No.: 03693

SAS No.:

SDS No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56336DL

Conc of vol: 1.1 (g/mL) B

Lab File ID: 22NO911L

Rel: (low/med) MED

Date Received: 09/07/90

Moisture: not det. 22 dec.

Date Extracted: 08/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleanup: (Y/N) N

pH: 5.9

Dilution Factor: 20

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	2200000	10
83-32-9	Acenaphthene	460000	10
51-28-5	2,4-Dinitrophenol	2200000	10
100-02-7	4-Nitrophenol	2200000	10
133-64-9	Dibenzofuran	460000	10
121-14-2	2,4-Dinitrotoluene	460000	10
84-66-2	Diethylphthalate	460000	10
7005-72-3	4-Chlorophenyl-phenylether	460000	10
86-73-7	Fluorene	460000	10
100-01-4	4-Nitroaniline	2200000	10
534-52-1	4,6-Dinitro-2-Ethylphenol	2200000	10
86-50-6	N-Nitrosodiphenylamine (1)	460000	10
101-85-3	4-Tromophenyl-phenylether	460000	10
118-74-1	Hexachlorobenzene	460000	10
87-86-5	Pentachlorophenol	8600000	10.5
85-91-8	Phenanthrene	460000	10
120-12-7	Anthracene	460000	10
84-74-2	Di-n-Butylphthalate	460000	10
206-44-0	Fluoranthene	460000	10
129-00-0	Pyrene	460000	10
85-68-7	Butylbenzylphthalate	460000	10
91-94-1	3,3'-Dichlorobenzidine	920000	10
56-55-3	Benzo(a)Anthracene	460000	10
218-01-9	Chrysene	460000	10
117-81-7	bis(2-Ethylhexyl)phthalate	460000	10
117-84-0	Di-n-Octyl Phthalate	460000	10
205-99-2	Benzo(b)Fluoranthene	460000	10
207-08-9	Benzo(k)Fluoranthene	460000	10
50-32-8	Benzo(a)Pyrene	460000	10
193-39-5	Indeno(1,2,3-cd)Pyrene	460000	10
53-70-3	Dibenzo(a,h)Anthracene	460000	10
191-24-2	Benzo(g,h,i)perylene	460000	10

(1) - Cannot be separated from Diphenylamine

1F
 SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ABNP12DL

Name: MEYERHAEUSER Contract: MCCOURT
 Code: MEYER Case No.: 03693 SAS No.: SDS No.: 56355
 Matrix: (soil/water) SOIL Lab Sample ID: 56356DL
 Sample wt/vol: 1.1 (g/mL) G Lab File ID: 2BN0911L
 Level: (low/med) MED Date Received: 09/07/90
 Moisture: not det. 22 det. Date Extracted: 09/10/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/11/90
 PL Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 20

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA 821-P-90-010

ADNP13

Name: MEYER/HAELSER

Contract: MCCORR

Code: MEYER

Case No.: 05695

SAS No.:

SDB No.: 56358

Matrix: (soil/water) SOIL

Lab Sample ID: 56357

Conc: (wt/vol) 1.4 (g/mL) 6

Lab File ID: 78007115

Depth: (low/med) MED

Date Received: 09/07/90

Disturb: not det. is det.

Date Extracted: 09/11/90

Extraction: (Sep/Cont/Soil) SOIL

Date Analyzed: 09/11/90

Temperature: (Y/N) N pH: 5.9

Dilution Factor: 1.00

IDENTIFICATION UNITS:

CAS No.	COMPOUND	(ug/L or ug/kg) UG/KB	U
105-25-2	Phenol	17000	U
111-34-4	bis(2-Chloroethyl)Ether	17000	U
95-57-8	2-Chlorophenol	17000	U
541-73-1	1,3-Dichlorobenzene	17000	U
106-46-7	1,4-Dichlorobenzene	17000	U
100-51-8	Benzyl Alcohol	17000	U
95-50-1	1,2-Dichlorobenzene	17000	U
95-49-7	2-Methylphenol	17000	U
108-60-1	bis(2-Chloroisopropyl)Ether	17000	U
106-44-6	4-Methylphenol	17000	U
621-64-7	N-Nitroso-Di-n-Propylamine	17000	U
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
98-75-5	2-Methylphenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
65-85-0	Benzoic Acid	82000	U
111-91-1	bis(2-Chloroethoxy)Methane	17000	U
120-81-2	2,4-Dichlorophenol	17000	U
120-82-1	1,2,4-Trichlorobenzene	17000	U
91-20-3	Naphthalene	17000	U
106-47-3	4-Chloroaniline	17000	U
57-68-3	Hexachlorobutadiene	17000	U
59-50-7	4-Chloro-3-Methylphenol	17000	U
91-57-6	2-Methylnaphthalene	17000	U
77-47-4	Hexachlorocyclopentadiene	17000	U
88-05-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,6-Trichlorophenol	82000	U
91-58-7	2-Chloronaphthalene	17000	U
81-74-4	2-Nitroaniline	82000	U
151-11-3	Dimethyl Phthalate	17000	U
208-26-8	Acenaphthylene	17000	U
606-21-2	2,6-Dinitrotoluene	17000	U

10
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABNP13

Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03693

SAS No.:

SDS No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56357

Sample wt/vol: 1.4 (g/mL) B

Lab File ID: 2BR0911D

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 16 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

PC Cleanup: (Y/N) N

pH: 5.9

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-0	3-Nitroaniline	82000	U
83-37-9	Acenaphthene	17000	U
51-28-5	2,4-Dinitrophenol	82000	U
100-02-7	4-Nitrophenol	82000	U
132-64-9	Dibenzofuran	17000	U
121-14-2	2,4-Dinitrotoluene	17000	U
84-76-2	Diethylphthalate	17000	U
7005-72-3	4-Chlorophenyl-phenylether	17000	U
86-73-7	Fluorene	17000	U
100-01-6	4-Nitroaniline	82000	U
534-52-1	4,6-Dinitro-2-Methylphenol	82000	U
86-30-6	N-Nitrosodiphenylamine (1)	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
87-68-8	Pentachlorophenol	550000	IE
85-01-0	Phenanthrene	17000	U
120-15-7	Anthracene	17000	U
84-74-2	Di-n-Butylphthalate	17000	U
204-44-0	Fluoranthene	17000	U
129-00-0	Pyrene	17000	U
85-81-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	34000	U
56-50-3	Benzo(a)Anthracene	17000	U
218-01-9	Chrysene	17000	U
117-31-7	Bis(2-Ethylhexyl)phthalate	17000	U
117-84-6	Di-n-Octyl Phthalate	17000	U
205-79-2	Benzo(b)Fluoranthene	17000	U
207-08-9	Benzo(k)Fluoranthene	17000	U
50-32-8	Benzo(a)Pyrene	17000	U
193-39-8	Indeno(1,2,3-cd)Pyrene	17000	U
83-70-5	Dibenz(a,h)Anthracene	17000	U
171-74-1	Benzo(g,h,i)Perylene	17000	U

(1) - Cannot be separated from Diphenylamine

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ASNP13

Name: MEYERHAEUSER

Contract: NCCOURT

Code: MEYER

Case No.: 03693

SAS No.:

SOS No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56357

Sample wt/vol: 1.4 (g/ml) 0

Lab File ID: 280911E

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 15 dec.

Date Extracted: 09/10/90

Fraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleanup: (Y/N) N

pH: 5.9

Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 55-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.54	39000	1X

98160515

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABND137X

Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03693

SAC No.:

SDB No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56357DL

Sample wt/vol: 1.4 (g/mL) 5

Lab File ID: ZEN0911M

Level: (Low/med) MED

Date Received: 09/07/90

Moisture: not dec. 16 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleanup: (Y/N) N pH: 5.9

Dilution Factor: 4.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG
108-95-2	Phenol	67000
111-44-4	bis(2-Chloroethyl)Ether	67000
95-57-8	2-Chlorophenol	67000
541-73-1	1,3-Dichlorobenzene	67000
106-46-7	1,4-Dichlorobenzene	67000
100-51-6	Benzyl Alcohol	67000
95-50-1	1,2-Dichlorobenzene	67000
95-48-7	2-Methylphenol	67000
108-60-1	bis(2-Chloroisopropyl)Ether	67000
106-44-5	4-Methylphenol	67000
621-64-7	N-Nitroso-Di-n-Propylamine	67000
67-72-1	Hexachloroethane	67000
98-95-3	Nitrobenzene	67000
78-59-1	Isophorone	67000
82-75-5	2-Nitrophenol	67000
105-67-9	2,4-Dimethylphenol	67000
63-85-0	Benzoic Acid	330000
111-91-1	bis(2-Chloroethoxy)Methane	67000
120-83-2	2,4-Dichlorophenol	67000
120-82-1	1,2,4-Trichlorobenzene	67000
91-20-3	Naphthalene	67000
106-47-8	4-Chloroaniline	67000
87-69-3	Hexachlorobutadiene	67000
59-50-7	4-Chloro-3-Methylphenol	67000
91-57-6	2-Methylnaphthalene	67000
77-47-4	Hexachlorocyclopentadiene	67000
95-06-2	2,4,6-Trichlorophenol	67000
95-05-4	2,4,5-Trichlorophenol	330000
91-58-7	2-Chloronaphthalene	67000
88-74-4	2-Nitroaniline	330000
131-11-3	Dimethyl Phthalate	67000
208-96-8	Acenaphthylene	67000
606-20-2	2,6-Dinitrotoluene	67000

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ASMP13DL

Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03693

SAS No.:

SDG No.: 54355

Matrix: (soil/water) SOIL

Lab Sample ID: 54357DL

Sample wt/vol: 1.4 (g/mL) B

Lab File ID: 2PK0911M

Level: /low/med) MED

Date Received: 09/07/90

Moisture: not dec. 16 dec.

Date Extracted: 09/10/90

Fraction: (SepF/Cont/Conc) SDMC

Date Analyzed: 09.11/90

Cleanup: (Y/N) N pH: 5.9

Dilution Factor: 2.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UE/Kg

CAN NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UE/Kg	g
99-09-2	3-Nitroaniline	330000	10
83-32-9	Acenaphthene	67000	10
51-28-3	2,4-Dinitrophenol	330000	10
100-02-7	4-Nitrophenol	330000	10
132-64-9	Dibenzofuran	67000	10
121-14-2	2,4-Dinitrotoluene	67000	10
84-66-2	Diethylphthalate	67000	10
7005-72-3	4-Chlorophenyl-phenylether	67000	10
35-73-7	Fluorene	67000	10
100-01-6	4-Nitroaniline	330000	10
534-52-1	4,6-Dinitro-2-Methylphenol	330000	10
86-30-6	N-Nitrosodiphenylamine (1)	67000	10
101-55-3	4-Bromophenyl-phenylether	67000	10
118-74-1	Hexachlorobenzene	67000	10
87-86-5	Pentachlorophenol	670000	10
85-01-8	Phenanthrene	67000	10
120-12-7	Anthracene	67000	10
54-74-2	Di-n-Butylphthalate	67000	10
206-44-0	Fluoranthene	67000	10
129-00-0	Pyrene	67000	10
85-68-7	Butylbenzylphthalate	67000	10
91-94-1	3,3'-Dichlorobenzidine	130000	10
56-55-3	Benzo(a)Anthracene	67000	10
218-01-9	Chrysene	67000	10
117-81-7	bis(2-Ethylhexyl)phthalate	67000	10
117-84-0	Di-n-Octyl Phthalate	67000	10
205-99-2	Benzo(b)Fluoranthene	67000	10
207-08-9	Benzo(k)Fluoranthene	67000	10
50-32-8	Benzo(a)Pyrene	67000	10
193-39-5	Indeno(1,2,3-cd)Pyrene	67000	10
53-70-3	Dibenz(a,h)Anthracene	67000	10
191-24-2	Benzo(g,h,i)Perylene	67000	10

(1) - Cannot be separated from Diphenylamine

1F
 SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ABNP13DL

Name: WEYERHAEUSER Contract: MCCOURT
 Code: WEYER Case No.: 03693 SAS No.: SDG No.: 56355
 Matrix: (soil/water) SOIL Lab Sample ID: 56357DL
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: 2BN0911M
 Level: (low/med) MED Date Received: 09/07/90
 Moisture: not dec. 16 dec. Date Extracted: 09/10/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/11/90
 Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 4.0

CONCENTRATION UNITS:
 (ug/l. or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

ABMP14

Name: NEYERHAEUSER

Contract: MCCOURT

Code: MEYER

Case No.: 03693

SAS No.:

SDB No.: 56358

Matrix: (soil/water) SOIL

Lab Sample ID: 56358

Sample wt/vol: 1.7 (g/mL) G

Lab File ID: 2BN0911E

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 14 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleanup: (Y/N) N

pH: 6.0

Dilution Factor: 1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L G

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	G
108-95-2	Phenol	14000	U
111-44-4	bis(2-Chloroethyl)Ether	14000	U
95-57-8	2-Chlorophenol	14000	U
541-73-1	1,3-Dichlorobenzene	14000	U
106-46-7	1,4-Dichlorobenzene	14000	U
100-51-6	Benzyl Alcohol	14000	U
95-50-1	1,2-Dichlorobenzene	14000	U
95-48-7	2-Methylphenol	14000	U
108-60-1	bis(2-Chloroisopropyl)Ether	14000	U
106-44-5	4-methylphenol	14000	U
621-64-7	N-Nitroso-Di-n-Propylamine	14000	U
67-72-1	Hexachloroethane	14000	U
98-98-3	Nitrobenzene	14000	U
78-59-1	Isophorone	14000	U
88-75-5	2-Nitrophenol	14000	U
105-67-9	2,4-Dimethylphenol	14000	U
65-85-0	Benzoic Acid	66000	U
111-91-1	Bis(2-Chloroethoxy)Methane	14000	U
120-83-2	2,4-Dichlorophenol	14000	U
120-82-1	1,2,4-Trichlorobenzene	14000	U
91-20-3	Naphthalene	14000	U
106-47-8	4-Chloroaniline	14000	U
87-68-3	Hexachlorobutadiene	14000	U
59-50-7	4-Chloro-3-Methylphenol	14000	U
91-57-6	2-Methylnaphthalene	14000	U
77-47-4	Hexachlorocyclopentadiene	14000	U
88-06-2	2,4,6-Trichlorophenol	14000	U
95-95-4	2,4,5-Trichlorophenol	66000	U
91-58-7	3-Chloronaphthalene	14000	U
88-74-4	2-Nitroaniline	66000	U
131-11-3	Dimethyl Phthalate	14000	U
208-96-8	Acenaphthylene	14000	U
606-20-2	2,6-Dinitrotoluene	14000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABNP14

Name: WEYERHAEUSER Contract: MCCOURT
 Code: WEYER Case No.: 03693 SAS No.: SD6 No.: 56355
 Matrix: (soil/water) SOIL Lab Sample ID: 56358
 Sample wt/vol: 1.7 (g/mL) 6 Lab File ID: 28N0911E
 Level: (low/med) MED Date Received: 09/07/90
 Moisture: not dec. 14 dec. Date Extracted: 09/10/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/11/90
 PCB Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	66000	10
83-32-9	Acenaphthene	14000	10
51-28-5	2,4-Dinitrophenol	66000	10
100-02-7	4-Nitrophenol	66000	10
132-64-9	Dibenzofuran	14000	10
121-14-2	2,4-Dinitrotoluene	14000	10
84-66-2	Diethylphthalate	14000	10
7005-72-3	4-Chlorophenyl-phenylether	14000	10
84-73-7	Fluorene	14000	10
100-01-6	4-Nitroaniline	66000	10
534-52-1	4,6-Dinitro-2-Methylphenol	66000	10
86-30-6	N-Nitrosodiphenylamine (1)	14000	10
101-55-3	4-Bromophenyl-phenylether	14000	10
119-74-1	Hexachlorobenzene	14000	10
87-36-5	Pentachlorophenol	66000	10
85-01-8	Phenanthrene	14000	10
120-12-7	Anthracene	14000	10
84-74-2	Di-n-Butylphthalate	14000	10
206-44-0	Fluoranthene	14000	10
129-00-0	Pyrene	14000	10
85-66-7	Butylbenzylphthalate	14000	10
91-94-1	3,3'-Dichlorobenzidine	27000	10
56-85-3	Benzo(a)Anthracene	14000	10
218-01-9	Chrysene	14000	10
117-81-7	bis(2-Ethylhexyl)phthalate	14000	10
117-84-0	Di-n-Octyl Phthalate	14000	10
206-99-2	Benzo(b)Fluoranthene	14000	10
207-08-9	Benzo(k)Fluoranthene	14000	10
50-32-8	Benzo(a)Pyrene	14000	10
193-39-5	Indeno(1,2,3-cd)Pyrene	14000	10
53-70-3	Dibenz(a,h)Anthracene	14000	10
191-24-2	Benzo(g,h,i)Ferylene	14000	10

(1) - Cannot be separated from Diphenylamine

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 CEM/VAULT FILE ORGANIC ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ABNP14

Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03693

SAS No.:

SDB No.: 54355

Matrix: (soil/water) SOIL

Lab Sample ID: 54355

Sample wt/vol: 1.7 (g/mL) B

Lab File ID: 2BNC0711E

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 14 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Conc) SOMC

Date Analyzed: 09/11/90

PC Cleanup: (Y/N) N pH: 6.0

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA FORM 816

REV 12

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 03693 SAS No.: SDG No.: 66358
 Matrix: (soil/water) SOIL Lab Sample ID: 56357
 Sample wt/vol: 1.4 (g/mL) B Lab File ID: 2980-118
 Level: (low/med) MED Date Received: 09/07/90
 Moisture: not dec. 13 dec. Date Submitted: 09/11/90
 Extraction: (Sep/F/Cont/Boil) SOND Date Analyzed: 09/11/90
 Pre-Cleanup: (Y/N) N pH: 4.2 Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) US/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) US/L	g
108-95-2	Phenol	16000	10
111-44-4	bis(2-Chloroethyl) Ether	16000	13
95-57-8	2-Chlorophenol	16000	10
541-73-1	1,3-Dichlorobenzene	16000	13
106-46-7	1,4-Dichlorobenzene	16000	13
100-51-6	Benzyl Alcohol	16000	10
75-50-1	1,2-Dichlorobenzene	16000	12
95-48-7	2-Methylphenol	16000	10
108-60-1	bis(2-Chloroisopropyl) Ether	16000	13
106-44-5	4-Methylphenol	16000	10
621-64-7	N-Nitroso-Di-n Propylamine	16000	10
67-72-1	Hexachloroethane	16000	10
78-95-3	Nitrobenzene	16000	13
78-59-1	Isophorone	16000	10
88-75-5	2-Nitrophenol	16000	10
105-67-9	2,4-Dimethylphenol	16000	10
65-85-0	Benzoic Acid	79000	10
111-91-1	bis(2-Chloroethoxy) Methane	16000	13
120-83-2	2,4-Dichlorophenol	16000	10
120-92-1	1,2,4-Trichlorobenzene	16000	10
91-20-3	Naphthalene	16000	10
106-47-8	4-Chloroaniline	16000	10
87-68-3	Hexachlorobutadiene	16000	10
59-50-7	4-Chloro-3-Methylphenol	16000	10
91-57-6	2-Methylnaphthalene	16000	10
77-47-4	Hexachlorocyclopentadiene	16000	10
88-06-2	2,4,6-Trichlorophenol	16000	10
95-95-4	2,4,5-Trichlorophenol	79000	10
91-58-7	2-Chloronaphthalene	16000	10
88-74-4	2-Nitroaniline	79000	10
151-11-3	Dimethyl Phthalate	16000	10
208-96-8	Acenaphthylene	16000	10
606-20-2	2,4-Dinitrotoluene	16000	10

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ABNP15

Name: MEYERHAEUSER

Contract: NCCOURT

Code: MEYER

Case No.: 03693

SAS No.:

SDB No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56359

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: 2BN0911F

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 13 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sanc) SDNC

Date Analyzed: 09/11/90

Cleanup: (Y/N) N pH: 6.2

Dilution Factor: 1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	U
99-09-2	3-Nitroaniline	79000	10
83-32-9	Acenaphthene	16000	10
51-28-5	2,4-Dinitrophenol	79000	10
100-02-7	4-Nitrophenol	79000	10
132-84-9	Dibenzofuran	16000	10
121-14-2	2,4-Dinitrotoluene	16000	10
84-66-2	Diethylphthalate	16000	10
7005-72-3	4-Chlorophenyl-phenylether	16000	10
86-73-7	Fluorene	16000	10
100-01-6	4-Nitroaniline	79000	10
534-52-1	4,6-Dinitro-2-Methylphenol	79000	10
86-30-6	N-Nitrosodiphenylamine (1)	16000	10
101-55-3	4-Bromophenyl-phenylether	16000	10
118-74-1	Hexachlorobenzene	16000	10
87-86-5	Pentachlorophenol	690000	1E
85-01-8	Phenanthrene	16000	10
120-12-7	Anthracene	16000	10
84-74-2	Di-n-Butylphthalate	16000	10
204-44-0	Fluoranthene	16000	10
129-00-0	Pyrene	16000	10
85-68-7	Butylbenzylphthalate	16000	10
91-94-1	3,3'-Dichlorobenzidine	32000	10
56-55-3	Benzo (a) Anthracene	16000	10
218-01-9	Chrysene	16000	10
117-81-7	bis(2-Ethylhexyl)phthalate	16000	10
117-84-0	Di-n-Octyl Phthalate	16000	10
205-99-2	Benzo (b) Fluoranthene	16000	10
207-08-9	Benzo (k) Fluoranthene	16000	10
50-32-0	Benzo (a) Pyrene	16000	10
193-39-4	Indeno (1,2,3-cd) Pyrene	16000	10
53-70-3	Dibenz (a,h) Anthracene	16000	10
191-04-2	Benzo (g,h,i) Perylene	16000	10

(1) - Cannot be separated from diphenylamine

14
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

MPA SAMPLE NO.

ABNP10

Name: WEYERHAEUSER Contract: MOONBURY
Code: WEYER Case No.: 03693 SAS No.: SDB No.: 56359
Matrix: (soil/water) SOIL Lab Sample ID: 56359
Sample wt/vol: 1.4 (g/mL) G Lab File ID: 15N0911F
Level: (low/med) MED Date Received: 09/07/90
Moisture: not dec. 15 dec. Date Extracted: 09/10/90
Extraction: (Sep/F/Cont/Sonc) SONC Date Analyzed: 09/11/90
GC Cleanup: (Y/N) N pH: 6.2 Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 56-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.52	8300	1X

18
 SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

LAB SAMPLE NO.

ABNF 15DL

Name: WEYERHAEUSER Contract: MCCURT
 Code: WEYER Base No.: 03693 SAS No.: SDG No.: 56357
 Matrix: (soil/water) SOIL Lab Sample ID: 56359DL
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: 2BND0511N
 Level: (low/med) MED Date Received: 09/07/90
 Moisture: not det. 13 dec. Date Extracted: 09/10/90
 Extraction: (Sep#/Cont./Sonic) SONE Date Analyzed: 09/11/90
 GC Cleanup: (Y/N) N pH: 6.2 Dilution Factor: 4.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	B
103-95-2	Phenol	65000	U
111-44-4	bis(2-Chloroethyl)Ether	65000	U
95-57-8	2-Chlorophenol	65000	U
541-73-1	1,3-Dichlorobenzene	65000	U
106-44-7	1,4-Dichlorobenzene	65000	U
100-51-6	Benzyl Alcohol	65000	U
95-50-1	1,2-Dichlorobenzene	65000	U
95-48-7	2-Methylphenol	65000	U
108-60-1	bis(2-Chloroisopropyl)Ether	65000	U
106-44-3	4-Methylphenol	65000	U
621-64-7	N-Nitroso-Di-n-Propylamine	65000	U
27-22-1	Hexachloroethane	65000	U
78-98-3	Nitrobenzene	65000	U
78-99-1	Isophorone	65000	U
88-73-5	2-Nitrophenol	65000	U
105-67-9	2,4-Dimethylphenol	65000	U
65-83-0	Benzoic Acid	320000	U
111-91-1	bis(2-Chloroethoxy)Methane	65000	U
120-83-2	2,4-Dichlorophenol	65000	U
120-82-1	1,2,4-Trichlorobenzene	65000	U
91-20-3	Naphthalene	65000	U
106-47-3	4-Chloroaniline	65000	U
87-68-3	Hexachlorobutadiene	65000	U
59-50-7	4-Chloro-3-Methylphenol	65000	U
91-57-6	2-Methylnaphthalene	65000	U
77-47-4	Hexachlorocyclopentadiene	65000	U
68-06-2	2,4,6-Trichlorophenol	65000	U
95-95-4	2,4,5-Trichlorophenol	320000	U
91-58-7	2-Chloronaphthalene	65000	U
88-74-4	2-Nitroaniline	320000	U
131-11-3	Dimethyl Phthalate	65000	U
208-96-8	Acenaphthylene	65000	U
606-20-2	2,6-Dinitrotoluene	65000	U

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 SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABNP15DL

Name: WEYERHAEUSER

Contract: MUDCOURT

Site Code: WEYER

Case No.: 03693

SAS No.:

SDB No.: 36353

Matrix: (soil/water) SOIL

Lab Sample ID: S6357DL

Sample wt/vol: 1.4 (g/mL) B

Lab File ID: 2BN0911N

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 13 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleanup: (Y/N) N

pH: 6.2

Dilution Factor: 4.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) LB/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) LB/L	Q
99-09-2	3-Nitroaniline	320000	U
83-32-9	Acenaphthene	65000	U
51-28-5	2,4-Dinitrophenol	320000	U
100-02-7	4-Nitrophenol	320000	U
132-64-7	Dibenzofuran	65000	U
121-14-2	2,4-Dinitrotoluene	65000	U
84-66-2	Diethylphthalate	65000	U
7005-72-3	4-Chlorophenyl-phenylether	65000	U
86-73-7	Fluorene	65000	U
100-01-6	4-Nitroaniline	320000	U
534-52-1	4,6-Dinitro-2-ethylphenol	320000	U
86-30-6	N-Nitrosodiphenylamine (1)	65000	U
101-55-3	4-Bromophenyl-phenylether	65000	U
118-74-1	Hexachlorobenzene	65000	U
87-86-5	Pentachlorophenol	290000	U
85-01-8	Phenanthrene	65000	U
120-12-7	Anthracene	65000	U
84-74-2	Di-n-Butyl phthalate	65000	U
206-44-0	Fluoranthene	65000	U
129-00-0	Pyrene	65000	U
85-69-7	Butylbenzylphthalate	65000	U
91-94-1	3,3'-Dichlorobenzidine	130000	U
56-55-3	Benzo(a)Anthracene	65000	U
218-01-9	Chrysene	65000	U
117-81-7	bis(2-Ethylhexyl)phthalate	65000	U
117-84-0	Di-n-Butyl Phthalate	65000	U
205-99-2	Benzo(b)Fluoranthene	65000	U
207-08-9	Benzo(k)Fluoranthene	65000	U
50-32-8	Benzo(a)Pyrene	65000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	65000	U
53-70-3	Dibenz(a,h)Anthracene	65000	U
191-24-2	Benzo(g,h,i)Perylene	65000	U

(1) - Cannot be separated from Diphenylamine

1P
 SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

DATA SAMPLE NO.

ABNP150L

Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03693

SAS No.:

SDS No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56359DL

Spgr wt/vol: 1.4 (g/mL) B

Lab File ID: 28N0911N

Level: (low/med) MED

Date Received: 09/07/90

Pressure: not dec. 13 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleanups: (Y/N) N pH: 6.2

Dilution Factor: 4.0

Detected TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

SAS NUMBER	COMPOUND NAME	RT	EST. CONCL.	U

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SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABNP16

Name: WEYERHAEUSER

Contract: MCCURT

Date: WEYER

Case No.: 03693

SAS No.:

SDS No.: 56334

Matrix: (soil/water) SOIL

Lab Sample ID: 5630

Sample wt/vol: 1.1 (g/mL) B

Lab File ID: 28N09116

Level: (low/med) MED

Date Received: 09/07/90

Preservation: not dec. 14 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleanup: (Y/N) N

pH: 5.6

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	g
108-95-2	Phenol	21000	U
111-44-4	bis(2-Chloroethyl) Ether	21000	U
95-57-8	2-Chlorophenol	21000	U
541-73-1	1,3-Dichlorobenzene	21000	U
106-46-7	1,4-Dichlorobenzene	21000	U
100-51-6	Benzyl Alcohol	21000	U
95-50-1	1,2-Dichlorobenzene	21000	U
95-48-7	2-Methylphenol	21000	U
108-60-1	bis(2-Chloroisopropyl) Ether	21000	U
106-44-5	4-Methylphenol	21000	U
621-64-7	N-Nitroso-Di-n-Propylamine	21000	U
67-72-1	Hexachloroethane	21000	U
98-95-3	Nitrobenzene	21000	U
78-59-1	Isophorone	21000	U
88-75-3	2-Nitrophenol	21000	U
108-57-9	2,4-Dimethylphenol	21000	U
65-85-0	Benzoic Acid	100000	U
111-91-1	bis(2-Chloroethoxy) Methane	21000	U
120-83-2	2,4-Dichlorophenol	21000	U
120-82-1	1,2,4-Trichlorobenzene	21000	U
91-20-3	Naphthalene	21000	U
106-47-8	4-Chloroaniline	21000	U
87-68-3	Hexachlorobutadiene	21000	U
59-50-7	4-Chloro-3-Methylphenol	21000	U
91-57-6	2-Methylnaphthalene	21000	U
77-47-4	Hexachlorocyclopentadiene	21000	U
88-06-2	2,4,6-Trichlorophenol	21000	U
95-95-4	2,4,5-Trichlorophenol	100000	U
91-58-7	2-Chloronaphthalene	21000	U
98-74-4	2-Nitroaniline	100000	U
131-11-3	Dimethyl Phthalate	21000	U
208-96-8	Acenaphthylene	21000	U
606-20-2	2,6-Dinitrotoluene	21000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Client: WEYERHAEUSER

Contract: MCCOURT

ASNP16

Code: MEYER

Case No.: 03593

SAS No.:

SUS No.: 56350

Matrix: (soil/water) SDIL

Lab Sample ID: 5630

Sample wt/vol: 1.1 (g/mL) B

Lab File ID: ZBN09116

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 14 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

PH: 5.8

Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L g

75-09-2	3-Nitroaniline	100000	10
83-32-9	Acenaphthene	21000	10
51-28-5	2,4-Dinitrophenol	100000	10
100-02-7	4-Nitrophenol	100000	10
132-64-9	Dibenzofuran	21000	10
121-14-2	2,4-Dinitrotoluene	21000	10
34-66-2	Diethylphthalate	21000	10
7005-72-3	4-Chlorophenyl-phenylether	21000	10
85-73-7	Fluorene	21000	10
100-01-6	4-Nitroaniline	100000	10
534-52-1	4,6-Dinitro-2-methylphenol	21000	10
86-30-6	N-Nitrosodiphenylamine (1)	21000	10
101-55-3	4-Bromophenyl-phenylether	21000	10
119-74-1	Hexachlorobenzene	21000	10
87-86-5	Pentachlorophenol	21000	10
85-01-8	Phenanthrene	21000	10
120-12-7	Anthracene	21000	10
84-74-2	Di-n-Butylphthalate	21000	10
206-44-0	Fluoranthene	21000	10
129-00-0	Pyrene	21000	10
85-68-7	Butylbenzylphthalate	21000	10
91-94-1	3,3'-Dichlorobenzidine	42000	10
56-55-3	Benzo(a)Anthracene	21000	10
218-01-9	Chrysene	21000	10
117-81-7	bis(2-Ethylhexyl)phthalate	21000	10
117-84-0	Di-n-Octyl Phthalate	21000	10
205-99-2	Benzo(b)Fluoranthene	21000	10
207-08-9	Benzo(k)Fluoranthene	21000	10
50-32-8	Benzo(a)Pyrene	21000	10
193-39-8	Indeno(1,2,3-cd)Pyrene	21000	10
53-70-3	Dibenz(a,h)Anthracene	21000	10
191-24-2	Benzo(g,h,i)Perylene	21000	10

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPD 50660 113

RBNF16

Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03693

SAS No.:

SDS No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 8630

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: 2BND911G

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 14 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SQNC

Date Analyzed: 09/11/90

GC Cleanup: (Y/N) N

pH: 5.0

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs Found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	U
1. 56818-02-1	BENZENE, 1,2,3,5-TETRACHLORO	19.10	11000	13X
2. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	21.99	59000	13X
3.	UNKNOWN	32.51	13000	13X
	UNKNOWN	34.67	49000	13X
	UNKNOWN	35.81	8600	13X
	UNKNOWN	36.44	37000	13X

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ADNR#1

Name: MEYERHAEUSER

Contract: MCCOUMT

Code: MEYER

Case No.: 03693

SAS No :

SOS No.: 56350

Matrix: (soil/water) SDIL

Lab Sample ID: 56361

Sample wt/vol: 1.1 (g/mL) S

Lab File ID: 2EN0911H

Depth: (low/med) MED

Date Received: 09/07/90

Moisture: not det. IR det.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sand) SONS

Date Analyzed: 09/11/90

GC Cleanup: (Y/N) N pH: 6.3

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	22000	U
111-44-4	bis(2-Chloroethyl)Ether	22000	U
95-57-8	2-Chlorophenol	22000	U
541-73-1	1,3-Dichlorobenzene	22000	U
106-46-7	1,4-Dichlorobenzene	22000	U
100-51-6	Benzyl Alcohol	22000	U
95-50-1	1,2-Dichlorobenzene	22000	U
95-48-7	2-Methylphenol	22000	U
108-50-1	bis(2-Chloroisopropyl)Ether	22000	U
106-44-5	4-Methylphenol	22000	U
621-64-7	N-Nitroso-Di-n-Propylamine	22000	U
67-72-1	Hexachloroethane	22000	U
98-95-3	Nitrobenzene	22000	U
78-59-1	Isophorone	22000	U
88-75-5	2-Nitrophenol	22000	U
105-67-9	2,4-Dimethylphenol	22000	U
65-85-0	Benzoic Acid	110000	U
111-91-1	bis(2-Chloroethoxy)Methane	22000	U
120-83-2	2,4-Dichlorophenol	22000	U
120-82-1	1,2,4-Trichlorobenzene	22000	U
91-20-3	Naphthalene	22000	U
106-47-8	4-Chloroaniline	22000	U
87-68-3	Hexachlorobutadiene	22000	U
59-50-7	4-Chloro-3-Methylphenol	22000	U
91-57-6	2-Methylnaphthalene	22000	U
77-47-4	Hexachlorocyclopentadiene	22000	U
88-06-2	2,4,6-Trichlorophenol	22000	U
95-95-4	2,4,5-Trichlorophenol	260000	U
91-58-7	2-Chloronaphthalene	22000	U
88-74-4	2-Nitroaniline	110000	U
131-11-3	Dimethyl Phthalate	22000	U
208-96-8	Acenaphthylene	22000	U
606-20-2	2,4-Dinitrotoluene	22000	U

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

PPA SAMPLE ID:

GENP17

Name: MEYERHAEUBER

Contract: MCCURT

Code: MEYER

Case No.: 03693

SAE No.:

SDS No.: R6355

Matrix (soil/water): SOIL

Lab Sample ID: 56361

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: 2EN0911H

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 10 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

GC Cleanup: (Y/N) N

pH: 6.3

Dilution Factor: 1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	110000	U
83-32-9	Acenaphthene	22000	U
51-28-5	2,4-Dinitrophenol	110000	U
100-02-7	4-Nitrophenol	110000	U
132-64-9	Dibenzofuran	22000	U
121-14-2	2,4-Dinitrotoluene	22000	U
84-66-2	Diethylphthalate	22000	U
7005-72-3	4-Chlorophenyl-phenylether	22000	U
86-73-7	Fluorene	22000	U
100-01-6	4-Nitroaniline	110000	U
534-52-1	4,6-Dinitro-2-Methylphenol	110000	U
86-30-6	N-Nitrosodiphenylamine (1)	22000	U
101-53-3	4-Bromophenyl-phenylether	22000	U
118-74-1	Hexachlorobenzene	22000	U
87-86-5	Pentachlorophenol	1700000	U
85-01-8	Phenanthrene	22000	U
120-12-7	Anthracene	22000	U
94-74-2	Di-n-Butylphthalate	22000	U
206-44-0	Fluoranthene	22000	U
129-00-0	Pyrene	22000	U
85-68-7	Butylbenzylphthalate	22000	U
91-94-1	3,3'-Dichlorobenzidine	44000	U
56-55-3	Benzo(a)Anthracene	22000	U
218-01-9	Chrysene	22000	U
117-81-7	bis(2-Ethylhexyl)phthalate	22000	U
117-84-0	Di-n-Octyl Phthalate	22000	U
205-99-2	Benzo(b)Fluoranthene	22000	U
207-06-9	Benzo(k)Fluoranthene	22000	U
50-32-8	Benzo(a)Pyrene	22000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	22000	U
53-70-3	Dibenz(a,h)Anthracene	22000	U
191-24-2	Benzo(g,h,i)Perylene	22000	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPY SAMPLE NO.

68NF17

Owner: WYENHAUSER

Contract: MCCURT

Client: WYER

Case No.: 03693

SAS No.:

SDS No.: 14350

Matrix: (soil/water) SOIL

Lab Sample ID: 36361

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: 28M0911H

Pres: (low/med) MED

Date Received: 09/07/90

Temperature not dec. 18 dec.

Date Entered: 09/10/90

Fraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Disturb: (Y/N) N pH 6.3

Dilution Factor: 1.00

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

Net TIC Count: 11

LAB NUMBER	COMPOUND NAME	RT	EST. CONC.	U
1. 59-31-4	12(1H)-QUINOLINONE	15.20	15000	13X
2. 31295-56-4	DODECANE, 2,6,11-TRIMETHYL-	17.50	6300	13X
3. 53-90-2	DIPHENYL, 2,3,4,6-TETRACHLORO-	19.59	260000	13X
4. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	22.02	32000	13X
5. 1439-62-6	11-NAPHTHALENEPROPANOL, .ALPH	25.52	23000	13X
6.	UNKNOWN	33.07	8900	13X
7.	UNKNOWN	34.66	17000	13X
8.	UNKNOWN	34.96	14000	13X
9.	UNKNOWN	35.81	13000	13X
10.	UNKNOWN	36.42	14000	13X
11.	UNKNOWN	36.96	31000	13X

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ABNF17DL

Lab Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 03693 SAS No.: SDG No.: 56355
 Matrix: (soil/water) SDIL Lab Sample ID: 56361DL
 Sample wt/vol: 1.1 (g/mL) @ Lab File ID: 2BN09110
 Level: (low/med) MED Date Received: 09/07/90
 Moisture: not dec. 10 dec. Date Extracted: 09/10/90
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/11/90
 GC Cleanup: (Y/N) N pH: 6.3 Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L @

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	@
108-95-2	Phenol	180000	U
111-44-4	bis(2-Chloroethyl)Ether	180000	U
95-57-8	2-Chlorophenol	180000	U
541-73-1	1,3-Dichlorobenzene	180000	U
106-46-7	1,4-Dichlorobenzene	180000	U
100-51-6	Benzyl Alcohol	180000	U
95-50-1	1,2-Dichlorobenzene	180000	U
95-48-7	2-Methylphenol	180000	U
108-60-1	bis(2-Chloroisopropyl)Ether	180000	U
106-44-5	4-Methylphenol	180000	U
621-64-7	N-Nitroso-Di-n-Propylamine	180000	U
67-72-1	Hexachloroethane	180000	U
98-95-3	Nitrobenzene	180000	U
78-59-1	Isophorone	180000	U
88-75-5	2-Nitrophenol	180000	U
105-67-7	2,4-Dimethylphenol	180000	U
65-85-0	Benzoic Acid	850000	U
111-91-1	bis(2-Chloroethoxy)Methane	180000	U
120-83-2	2,4-Dichlorophenol	180000	U
120-82-1	1,2,4-Trichlorobenzene	180000	U
91-20-3	Naphthalene	180000	U
106-47-8	4-Chloroaniline	180000	U
87-68-3	Hexachlorobutadiene	180000	U
59-50-7	4-Chloro-3-Methylphenol	180000	U
91-57-6	2-Methylnaphthalene	180000	U
77-47-4	Hexachlorocyclopentadiene	180000	U
88-04-2	2,4,6-Trichlorophenol	180000	U
95-95-4	2,4,5-Trichlorophenol	170000	(DJ)
91-58-7	2-Chloronaphthalene	180000	U
88-74-4	2-Nitroaniline	850000	U
131-11-3	Dimethyl Phthalate	180000	U
208-96-8	Acenaphthylene	180000	U
605-20-2	2,6-Dinitrotoluene	180000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE NO.

88017DL

Name: MEYERHAEUSER

Contract: MCCOURT

Code: MEYER

Case No.: 03693

SAS No.:

SDB No.: 56353

Matrix: (soil/water) SOIL

Lab Sample ID: 56361DL

Sample wt/vol: 1.1 (g/mL) B

Lab File ID: 88009110

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 18 dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Senc) SENC

Date Analyzed: 09/11/90

GC Cleanup: (Y/N) N

pH: 6.3

Dilution Factor: 5.0

CONCENTRATION UNITS:

(ug/L or ug/kg) UG/L

U

EAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) UG/L	U
99-09-2	3-Nitroaniline	850000	U
83-32-9	Acenaphthene	180000	U
51-28-5	2,4-Dinitrophenol	850000	U
100-02-7	4-Nitrophenol	350000	U
132-64-9	Dibenzofuran	180000	U
121-14-2	2,4-Dinitrotoluene	180000	U
84-66-2	Diethylphthalate	180000	U
7005-72-3	4-Chlorophenyl phenyl ether	180000	U
86-73-7	Fluorene	180000	U
100-01-6	4-Nitroaniline	850000	U
534-52-1	4,6-Dinitro-2-Methylphenol	850000	U
86-30-4	N-Nitrosodiphenylamine (1)	180000	U
101-57-5	4-Bromophenyl phenyl ether	180000	U
118-74-1	Hexachlorocyclopentadiene	280000	U
87-86-0	Pentachlorophenol	2200000	U
85-01-8	Phenanthrene	180000	U
120-12-7	Anthracene	180000	U
84-74-2	Di-n-Butylphthalate	180000	U
206-44-0	Fluoranthene	180000	U
129-00-0	Pyrene	180000	U
85-68-7	Butylbenzylphthalate	180000	U
91-94-1	3,3'-Dichlorobenzidine	350000	U
56-55-3	Benzo(a)Anthracene	180000	U
218-01-9	Chrysene	180000	U
117-81-7	bis(2-Ethylhexyl)phthalate	180000	U
117-84-0	Di-n-Octyl Phthalate	180000	U
205-99-2	Benzo(b)Fluoranthene	180000	U
207-08-9	Benzo(k)Fluoranthene	180000	U
50-32-8	Benzo(a)Pyrene	180000	U
193-39-8	Indeno(1,2,3-cd)Pyrene	180000	U
83-70-3	Dibenz(a,h)Anthracene	180000	U
191-24-2	Benzo(g,h,i)Perylene	180000	U

(1) - Dimol Le separated from diphenylamine

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

REV 1.0 8/81

Owner: WEYERHAEUSER

Contract: MCCOURT

NW7

Code: WEYER

Case No.: 03693

SAS No.:

SDS No.: 06083

Matrix: (soil/water) SOIL

Lab Sample ID: S5976

Conc: wt/vol: 1.1 (g/ml) B

Lab File ID: 2DN09111

Vol: (low/med) MED

Date Received: 09/07/90

Dist: (not dec) 11 dec

Date Extracted: 09/10/90

Fraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

Cleanup: (Y/N) N

pH: 5.6

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	UG/L
99-09-2	3-Nitroaniline	98000	10
83-32-9	Acenaphthene	20000	10
51-28-5	2,4-Dinitrophenol	98000	10
100-02-7	4-Nitrophenol	98000	10
132-64-9	Dibenzofuran	20000	10
121-14-2	2,4-Dinitrotoluene	20000	10
84-66-2	Diethylphthalate	20000	10
7005-72-3	4-Chlorophenyl phenylether	20000	10
85-73-7	Fluorene	20000	10
100-01-6	4-Nitroaniline	98000	10
534-52-1	4,6-Dinitro-2-Methylphenol	98000	10
36-30-6	N-Nitrodiphenylamine (1)	20000	10
101-55-3	4-Bromophenyl phenylether	20000	10
118-74-1	Hexachlorocyclohexene	20000	10
87-86-5	Pentachlorophenol	75000	13
85-01-8	Phenanthrene	20000	10
120-12-7	Anthracene	20000	10
84-74-2	Di-n-Butylphthalate	20000	10
206-44-0	Fluoranthene	20000	10
129-00-0	Pyrene	20000	10
85-68-7	Butylbenzylphthalate	20000	10
91-04-1	3,3'-Dichlorobenzidine	40000	10
56-55-3	Benzo(a)Anthracene	20000	10
218-01-9	Chrysene	20000	10
117-81-7	bis(2-Ethylhexyl)phthalate	20000	10
117-84-0	Di-n-Butyl Phthalate	20000	10
205-99-2	Benzo(b)Fluoranthene	20000	10
207-08-9	Benzo(k)Fluoranthene	20000	10
50-32-8	Benzo(a)Pyrene	20000	10
193-39-5	Indeno(1,2,3-cd)Pyrene	20000	10
53-70-3	Dibenz(a,b)Anthracene	20000	10
191-24-2	Benzo(g,h,i)Perylene	20000	10

1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LABORATORY NO.
 18N0917DL

Name: MEYERHAEUSER

Contract: MCCOURT

Code: MEYER

Case No.: 03693

SAS No.:

SDG No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56361DL

Sample wt/vol: 1.1 (g/mL) B

Lab File ID: 28N09110

Level: (low/med) MED

Date Received: 09/07/90

Mixture: not dec. 18 dec.

Date Extracted: 09/10/90

Extraction: (SegF/Cont/Sonc) SONE

Date Analyzed: 09/11/90

RC Cleanup: (Y/N) N

pH: 6.3

Dilution Factor: S.C

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WV

Name: WEYERHAEUSER

Contract: MCCURT

Lab Code: MEYER

Case No.: 03493

SAS No.:

SDB No.: 5355

Matrix: (soil/water) SOIL

Lab Sample ID: 55976

Sample wt/vol: 1.1 (g/ml) B

Lab File ID: 28N94111

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 11 dec.

Date Extracted: 09/10/90

Extraction: (SapF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

GC Cleanup: (Y/N) N pH: 5.6

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) US/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) US/L	U
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl)Ether	20000	U
95-57-9	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
100-51-6	Benzyl Alcohol	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
95-48-7	2-Methylphenol	20000	U
108-60-1	bis(2-Chloroisopropyl)Ether	20000	U
106-44-5	4-Methylphenol	20000	U
621-64-7	N-Nitroso-Di-n-Propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
98-75-0	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
65-85-0	Benzoic Acid	98000	U
111-91-1	bis(2-Chloroethoxy)Methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
130-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	20000	U
106-47-8	4-Chloroaniline	20000	U
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-Methylphenol	20000	U
91-57-6	2-Methylnaphthalene	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
95-95-0	2,4,5-Trichlorophenol	98000	U
91-58-7	2-Chloronaphthalene	20000	U
88-74-4	2-Nitroaniline	98000	U
131-11-3	Dimethyl phthalate	20000	U
208-95-8	Acenaphthylene	20000	U
606-20-2	2,6-Dinitrotoluene	20000	U

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WW7

Name: WEYERHAEUSER

Contract: MCCURT

Order: WEYER

Case No.: 03693

SAS No.:

SDB No.: 56358

Matrix: (soil/water) SOIL

Lab Sample ID: 55976

Sample wt/vol: 1.1 (g/ml) G

Lab File ID: 2BNC9117

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not doc. 11 dec.

Date Extracted: 09/10/90

Extraction: (SecF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

GC Cleanup: (Y/N) N

pH: 5.6

Dilution Factor: 1.00

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

Number TICs Found: 1

COMP NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. SB-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	16.52	17000	3X

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SDLS1

Name: MEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03693

SAS No.:

SDB No.: 06385

Matrix: (soil/water) SOIL

Lab Sample ID: SBLS1

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: ZBN0911A

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 09/10/90

Extraction: (SupF/Cont/Sonic) SONIC

Date Analyzed: 09/11/90

GC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg; ug/Kg)

g

CAS NO.	COMPOUND	CONCENTRATION UNITS:	g
		(ug/L or ug/Kg; ug/Kg)	
108-73-2	Phenol	20000	10
111-44-4	bis(2-Chloroethyl)Ether	20000	10
95-57-8	2-Chlorophenol	20000	10
521-73-1	1,3-Dichlorobenzene	20000	10
105-46-7	1,4-Dichlorobenzene	20000	10
100-51-6	Benzyl Alcohol	20000	10
95-50-1	1,2-Dichlorobenzene	20000	10
95-48-7	2-Methylphenol	20000	10
109-60-1	bis(2-Chloroisopropyl)Ether	20000	10
106-44-5	4-Methylphenol	20000	10
621-64-7	N-Nitroso-Di-n-Propylamine	20000	10
67-72-1	Hexachloroethane	20000	10
92-72-3	Nitrobenzene	20000	10
78-59-1	Isophorone	20000	10
68-73-5	2-Nitrophenol	20000	10
105-67-9	2,4-Dimethylphenol	20000	10
65-83-0	Benzoic Acid	96000	10
111-91-1	bis(2-Chloroethoxy)Methane	20000	10
120-83-2	2,4-Dichlorophenol	20000	10
120-82-1	1,2,4-Trichlorobenzene	20000	10
91-20-3	Naphthalene	20000	10
106-47-8	4-Chloroaniline	20000	10
87-68-3	Hexachlorobutadiene	20000	10
59-50-7	4-Chloro-3-Methylphenol	20000	10
91-57-6	2-Methylnaphthalene	20000	10
77-47-4	Hexachlorocyclopentadiene	20000	10
88-06-2	2,4,6-Trichlorophenol	20000	10
95-93-4	2,4,5-Trichlorophenol	96000	10
91-58-7	2-Chloronaphthalene	20000	10
88-74-4	2-Nitroaniline	96000	10
131-11-3	Dimethyl Phthalate	20000	10
208-96-8	Acenaphthylene	20000	10
500-20-2	2,6-Dinitrotoluene	20000	10

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

ETA SAMPLE #

BLKS1

Name: MEYERHAEUSER

Contract: MCCURT

Code: WFYER

Case No.: 03693

SAS No.:

SDS No.: 06305

Matrix: (soil/water) SDIL

Lab Sample ID: BLKS1

Sample wt/vol: 1.0 (g/mL) S

Lab File ID: 2BN0711A

Soil: (Low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 09/10/90

Extraction: (SupF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

PC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/l. or ug/Kg) ug/Kg S

93-09-2	3-Nitroaniline	96000	10
83-32-9	Acenaphthene	20000	10
51-25-5	2,4-Dinitrophenol	96000	10
100-02-7	4-Nitrophenol	96000	10
132-64-9	Dibenzofuran	20000	10
121-14-2	2,4-Dinitrotoluene	20000	10
84-56-2	Diethylphthalate	20000	10
7001-72-3	4-Chlorophenyl-phenylether	20000	10
85-73-7	Fluorene	20000	10
100-01-6	4-Nitroaniline	96000	10
534-82-1	4,6-Dinitro-2-Methylphenol	96000	10
85-30-4	N-Nitrosodiphenylamine (1)	20000	10
101-58-3	4-Bromophenyl-phenylether	20000	10
118-74-1	Hexachlorobenzene	20000	10
67-86-6	Pentachlorophenol	96000	10
85-01-0	Phenanthrene	20000	10
120-12-7	Anthracene	20000	10
84-74-7	Di-n-Butylphthalate	20000	10
205-44-0	Fluoranthene	20000	10
129-00-0	Pyrene	20000	10
85-69-7	Butylbenzylphthalate	20000	10
91-94-1	3,3'-Dichlorobenzidine	40000	10
56-55-3	Benzo(a)Anthracene	20000	10
218-01-9	Chrysene	20000	10
117-81-7	bis(2-Ethylhexyl)phthalate	20000	10
117-84-0	Di-n-Octyl Phthalate	20000	10
205-99-2	Benzo(b)Fluoranthene	20000	10
207-08-9	Benzo(k)Fluoranthene	20000	10
50-32-8	Benzo(a)Pyrene	20000	10
193-39-0	Indeno(1,2,3-cd)Pyrene	20000	10
53-70-3	Dibenz(a,h)Anthracene	20000	10
191-24-2	Benzo(g,h,i)Perylene	20000	10

(1) - Cannot be separated from Diphenylamine

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

ENV. SAMPLE #

SOLK91

Name: WEYERHAEUSER

Contract: MCCURT

Lab Code: WEYER

Case No.: 03693

SAS No.:

SDB No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: SELK91

Sample wt/vol: 1.0 (g/mL) B

Lab File ID: 2BNO711A

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

PC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

APP11MS

Name: WEYERHAEUSER Contract: MCCOURT
 Leader: WEYER Case No.: 03693 SAS No.: SDG No.: 56385
 Matrix: (soil/water): SOIL Lab Sample ID: 56385MS
 Sample wt/vol: 1.6 (g/mL) G Lab File ID: ZBN0911J
 Level: (low/med) MED Date Received: 09/07/90
 Moisture: not dec. 21 dec. Date Extracted: 09/10/90
 Extraction: (SepF/Cant/Sonc) SONC Date Analyzed: 09/11/90
 PC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	U
108-95-2	Phenol	17000	U
111-44-4	bis(2-Chloroethyl)Ether	17000	U
95-57-6	2-Chlorophenol	17000	U
941-73-1	1,3-Dichlorobenzene	17000	U
106-46-7	1,4-Dichlorobenzene	17000	U
100-51-6	Benzyl Alcohol	17000	U
95-50-1	1,2-Dichlorobenzene	17000	U
95-48-7	2-Methylphenol	17000	U
108-60-1	bis(2-Chloroisopropyl)Ether	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-Di-n-Propylamine	17000	U
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
65-85-0	Benzoic Acid	81000	U
111-91-1	bis(2-Chloroethoxy)Methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
120-82-1	1,2,4-Trichlorobenzene	17000	U
91-20-3	Naphthalene	17000	U
106-47-8	4-Chloroaniline	17000	U
67-69-3	Hexachlorobutadiene	17000	U
59-50-7	4-Chloro-3-Methylphenol	17000	U
91-57-6	2-Methylnaphthalene	17000	U
77-47-4	Hexachlorocyclopentadiene	17000	U
69-06-2	2,4,6-Trichlorophenol	17000	U
95-93-4	2,4,5-Trichlorophenol	81000	U
91-56-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	81000	U
131-11-3	Dimethyl Phthalate	17000	U
208-96-8	Acenaphthylene	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U

SEMIVOLATILE ORGANIC ANALYSIS DATA SHEET

APPENDIX

APPENDIX

Name: WEYERHAEUSER

Contract: ACCOUNT

Code: WEYER

Case No.: 03e93

SAS No.:

SOS No.: 56355

Matrix: (soil/water) SOIL

Lab Sample ID: 56355ME

Sample wt/vol: 1.5 (g/mL) 9

Lab File ID: 3EN09115

Level: (low/med) MED

Date Received: 09/07/90

Moisture: not det. 21 det.

Date Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

GC Cleanup: (Y/N) N

HF: 6.9

Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L @

99-09-2	3-Nitroaniline	81000	10
83-32-9	Acenaphthene	17000	10
51-28-5	2,4-Dinitrophenol	81000	10
100-02-7	4-Nitrophenol	81000	10
132-64-9	Dibenzofuran	17000	10
121-14-2	2,4-Dinitrotoluene	17000	10
84-66-2	Diethylphthalate	17000	10
7005-72-3	4-Chlorophenyl-phenylether	17000	10
86-73-7	Fluorene	17000	10
100-01-6	4-Nitroaniline	81000	10
534-52-1	4,6-Dinitro-2-Methylphenol	81000	10
86-30-6	N-Nitrosodiphenylamine (1)	17000	10
101-55-3	4-Bromophenyl-phenylether	17000	10
118-74-1	Hexachlorobenzene	17000	10
87-86-5	Pentachlorophenol	81000	10
85-01-8	Phenanthrene	17000	10
120-12-7	Anthracene	17000	10
84-74-2	Di-n-Butylphthalate	17000	10
206-44-0	Fluoranthene	17000	10
129-00-0	Pyrene	17000	10
85-68-7	Butylbenzylphthalate	17000	10
91-94-1	3,3'-Dichlorobenzidine	33000	10
56-55-3	Benzo(a)Anthracene	17000	10
218-01-9	Chrysene	17000	10
117-81-7	bis(2-Ethylhexyl)phthalate	17000	10
117-94-0	Di-n-Octyl Phthalate	17000	10
205-99-2	Benzo(b)Fluoranthene	17000	10
207-08-9	Benzo(k)Fluoranthene	17000	10
50-32-8	Benzo(a)Pyrene	17000	10
193-39-5	Indeno(1,2,3-cd)Pyrene	17000	10
53-70-3	Dibenz(a,h)Anthracene	17000	10
191-24-2	Benzo(c,h,i)Perylene	17000	10

(1) - Cannot be separated from Diphenylamine

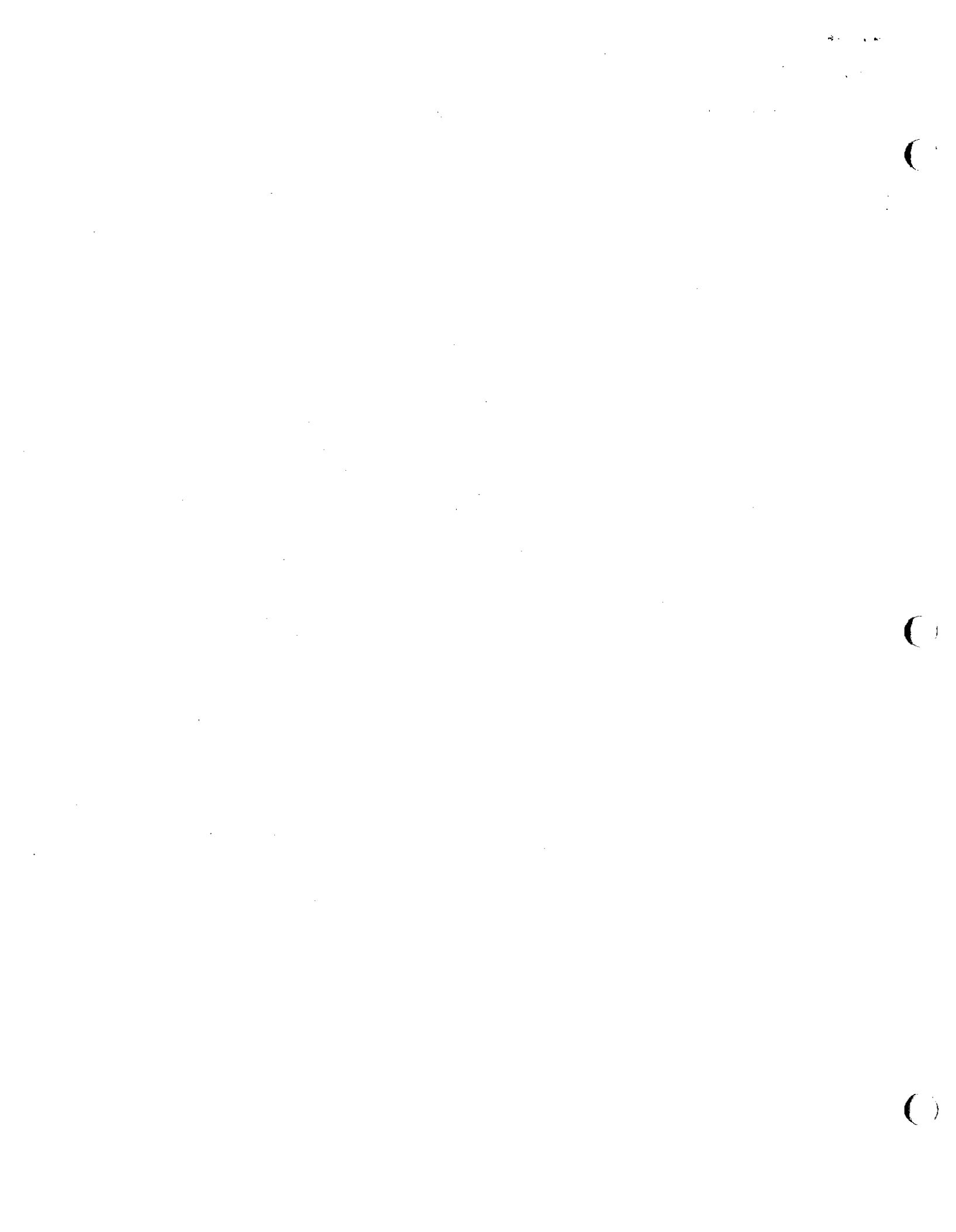
METHOD BLANK SUMMARY

Name: WEYERHAEUSER Contract: MCCOURT
 Code: WEYER Case No.: 03693 SAS No.: SDS No.: 56355
 File ID: 2BN0911A Lab Sample ID: SRLKS1
 Date Extracted: 09/10/90 Extraction: (SepF/Cont/Sonc) SONC
 Date Analyzed: 09/11/90 Time Analyzed: 1141
 Matrix: (soil/water) SOIL Level: (low/med) MED
 Instrument ID: FINN2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	ABNP11	2BN0911B	09/11/90
02	ABNP12	2BN0911K	09/11/90
03	ABNP12DL	2BN0911L	09/11/90
04	ABNP13	2BN0911D	09/11/90
05	ABNP13DL	2BN0911M	09/11/90
06	ABNP14	2BN0911E	09/11/90
07	ABNP15	2BN0911F	09/11/90
08	ABNP15DL	2BN0911N	09/11/90
09	ABNP16	2BN0911G	09/11/90
10	ABNP17	2BN0911H	09/11/90
11	ABNP17DL	2BN0911O	09/11/90
12	WW7	2BN0911I	09/11/90
13	ABNP11MS	2BN0911J	09/11/90

COMMENTS: SBLKS1 (MED)
 40 (2) 32008 (4) INST-FINN2





Date July 11, 1991
From Rick Bogar
Location Tacoma, WTC 2F25
Subject SR# 05855 Aberdeen Soil Samples - NP-1/ PENTA Cleanup

To Mick McCourt WTC 2H4

Attached are the results from the sample you requested we analyze for Pentachlorophenol. If you have any questions about the results please contact me at 924-6521 or Dennis at 924-6242.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.

A handwritten signature in cursive script that reads "Rick Bogar".

Rick Bogar
Analytical Chemistry Laboratories

Attachment

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB201

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72326
 Sample wt/vol: 1.1 (g/mL) G Lab File ID: 2BN10709F
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 PC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	18000	U
111-44-4	bis(2-Chloroethyl) Ether	18000	U
95-57-8	2-Chlorophenol	18000	U
541-73-1	1,3-Dichlorobenzene	18000	U
106-46-7	1,4-Dichlorobenzene	18000	U
100-51-6	Benzyl Alcohol	18000	U
95-50-1	1,2-Dichlorobenzene	18000	U
95-48-7	2-Methylphenol	18000	U
108-60-1	bis(2-Chloroisopropyl) Ether	18000	U
106-44-5	4-Methylphenol	18000	U
621-64-7	N-Nitroso-Di-n-Propylamine	18000	U
67-72-1	Hexachloroethane	18000	U
98-95-3	Nitrobenzene	18000	U
78-59-1	Isophorone	18000	U
88-75-5	2-Nitrophenol	18000	U
105-67-9	2,4-Dimethylphenol	18000	U
65-85-0	Benzoic Acid	87000	U
111-91-1	bis(2-Chloroethoxy) Methane	18000	U
120-83-2	2,4-Dichlorophenol	18000	U
120-82-1	1,2,4-Trichlorobenzene	18000	U
91-20-3	Naphthalene	18000	U
106-47-8	4-Chloroaniline	18000	U
87-68-3	Hexachlorobutadiene	18000	U
59-50-7	4-Chloro-3-Methylphenol	18000	U
91-57-6	2-Methylnaphthalene	18000	U
77-47-4	Hexachlorocyclopentadiene	18000	U
88-06-2	2,4,6-Trichlorophenol	18000	U
95-95-4	2,4,5-Trichlorophenol	87000	U
91-58-7	2-Chloronaphthalene	18000	U
88-74-4	2-Nitroaniline	87000	U
131-11-3	Dimethyl Phthalate	18000	U
208-96-8	Acenaphthylene	18000	U
606-20-2	2,6-Dinitrotoluene	18000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB201

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72326
 Sample wt/vol: 1.1 (g/mL) G Lab File ID: 2BN10709F
 Level: (low/med) MED Date Received: 05/30/91
 % Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2-----	3-Nitroaniline	87000	U
83-32-9-----	Acenaphthene	18000	U
51-28-5-----	2,4-Dinitrophenol	87000	U
100-02-7-----	4-Nitrophenol	87000	U
132-64-9-----	Dibenzofuran	18000	U
121-14-2-----	2,4-Dinitrotoluene	18000	U
84-66-2-----	Diethylphthalate	18000	U
7005-72-3-----	4-Chlorophenyl-phenylether	18000	U
86-73-7-----	Fluorene	18000	U
100-01-6-----	4-Nitroaniline	87000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	87000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	18000	U
101-55-3-----	4-Bromophenyl-phenylether	18000	U
118-74-1-----	Hexachlorobenzene	18000	U
87-86-5-----	Pentachlorophenol	11000	J
85-01-8-----	Phenanthrene	18000	U
120-12-7-----	Anthracene	18000	U
84-74-2-----	Di-n-Butylphthalate	18000	U
206-44-0-----	Fluoranthene	18000	U
129-00-0-----	Pyrene	18000	U
85-68-7-----	Butylbenzylphthalate	18000	U
91-94-1-----	3,3'-Dichlorobenzidine	36000	U
56-55-3-----	Benzo (a) Anthracene	18000	U
218-01-9-----	Chrysene	18000	U
117-81-7-----	bis(2-Ethylhexyl) phthalate	18000	U
117-84-0-----	Di-n-Octyl Phthalate	18000	U
205-99-2-----	Benzo (b) Fluoranthene	18000	U
207-08-9-----	Benzo (k) Fluoranthene	18000	U
50-32-8-----	Benzo (a) Pyrene	18000	U
193-39-5-----	Indeno (1,2,3-cd) Pyrene	18000	U
53-70-3-----	Dibenz (a, h) Anthracene	18000	U
191-24-2-----	Benzo (g, h, i) Perylene	18000	U

(1) - Cannot be separated from Diphenylamine

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB201

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72326
 Sample wt/vol: 1.1 (g/mL) G Lab File ID: 2BN10709F
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 0
 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB202

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72327
 Sample wt/vol: 1.9 (g/mL) G Lab File ID: 2BN10709G
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 HPC Cleanup: (Y/N) N pH: Dilution Factor: 40

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420000	U
111-44-4	bis(2-Chloroethyl) Ether	420000	U
95-57-8	2-Chlorophenol	420000	U
541-73-1	1,3-Dichlorobenzene	420000	U
106-46-7	1,4-Dichlorobenzene	420000	U
100-51-6	Benzyl Alcohol	420000	U
95-50-1	1,2-Dichlorobenzene	420000	U
95-48-7	2-Methylphenol	420000	U
108-60-1	bis(2-Chloroisopropyl) Ether	420000	U
106-44-5	4-Methylphenol	420000	U
621-64-7	N-Nitroso-Di-n-Propylamine	420000	U
67-72-1	Hexachloroethane	420000	U
98-95-3	Nitrobenzene	420000	U
78-59-1	Isophorone	420000	U
88-75-5	2-Nitrophenol	420000	U
105-67-9	2,4-Dimethylphenol	420000	U
65-85-0	Benzoic Acid	2000000	U
111-91-1	bis(2-Chloroethoxy) Methane	420000	U
120-83-2	2,4-Dichlorophenol	420000	U
120-82-1	1,2,4-Trichlorobenzene	420000	U
91-20-3	Naphthalene	420000	U
106-47-8	4-Chloroaniline	420000	U
87-68-3	Hexachlorobutadiene	420000	U
59-50-7	4-Chloro-3-Methylphenol	420000	U
91-57-6	2-Methylnaphthalene	420000	U
77-47-4	Hexachlorocyclopentadiene	420000	U
88-06-2	2,4,6-Trichlorophenol	420000	U
95-95-4	2,4,5-Trichlorophenol	2000000	U
91-58-7	2-Chloronaphthalene	420000	U
88-74-4	2-Nitroaniline	2000000	U
131-11-3	Dimethyl Phthalate	420000	U
208-96-8	Acenaphthylene	420000	U
606-20-2	2,6-Dinitrotoluene	420000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB202

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72327
 Sample wt/vol: 1.9 (g/mL) G Lab File ID: 2BN10709G
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 PC Cleanup: (Y/N) N pH: Dilution Factor: 40

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2-----	3-Nitroaniline	2000000	U
83-32-9-----	Acenaphthene	420000	U
51-28-5-----	2,4-Dinitrophenol	2000000	U
100-02-7-----	4-Nitrophenol	2000000	U
132-64-9-----	Dibenzofuran	420000	U
121-14-2-----	2,4-Dinitrotoluene	420000	U
84-66-2-----	Diethylphthalate	420000	U
7005-72-3-----	4-Chlorophenyl-phenylether	420000	U
86-73-7-----	Fluorene	420000	U
100-01-6-----	4-Nitroaniline	2000000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	2000000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	420000	U
101-55-3-----	4-Bromophenyl-phenylether	420000	U
118-74-1-----	Hexachlorobenzene	420000	U
87-86-5-----	Pentachlorophenol	1600000	J
85-01-8-----	Phenanthrene	420000	U
120-12-7-----	Anthracene	420000	U
84-74-2-----	Di-n-Butylphthalate	420000	U
206-44-0-----	Fluoranthene	420000	U
129-00-0-----	Pyrene	420000	U
85-68-7-----	Butylbenzylphthalate	420000	U
91-94-1-----	3,3'-Dichlorobenzidine	840000	U
56-55-3-----	Benzo(a)Anthracene	420000	U
218-01-9-----	Chrysene	420000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	420000	U
117-84-0-----	Di-n-Octyl Phthalate	420000	U
205-99-2-----	Benzo(b)Fluoranthene	420000	U
207-08-9-----	Benzo(k)Fluoranthene	420000	U
50-32-8-----	Benzo(a)Pyrene	420000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	420000	U
53-70-3-----	Dibenz(a,h)Anthracene	420000	U
191-24-2-----	Benzo(g,h,i)Perylene	420000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB202

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72327

Sample wt/vol: 1.9 (g/mL) G

Lab File ID: 2BN10709G

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

RPC Cleanup: (Y/N) N pH:

Dilution Factor: 40

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.49	760000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB203

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72328

Sample wt/vol: 1.9 (g/mL) G

Lab File ID: 2BN10709H

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

SPC Cleanup: (Y/N) N

pH:

Dilution Factor: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	210000	U
111-44-4	bis(2-Chloroethyl) Ether	210000	U
95-57-8	2-Chlorophenol	210000	U
541-73-1	1,3-Dichlorobenzene	210000	U
106-46-7	1,4-Dichlorobenzene	210000	U
100-51-6	Benzyl Alcohol	210000	U
95-50-1	1,2-Dichlorobenzene	210000	U
95-48-7	2-Methylphenol	210000	U
108-60-1	bis(2-Chloroisopropyl) Ether	210000	U
106-44-5	4-Methylphenol	210000	U
621-64-7	N-Nitroso-Di-n-Propylamine	210000	U
67-72-1	Hexachloroethane	210000	U
98-95-3	Nitrobenzene	210000	U
78-59-1	Isophorone	210000	U
88-75-5	2-Nitrophenol	210000	U
105-67-9	2,4-Dimethylphenol	210000	U
65-85-0	Benzoic Acid	1000000	U
111-91-1	bis(2-Chloroethoxy) Methane	210000	U
120-83-2	2,4-Dichlorophenol	210000	U
120-82-1	1,2,4-Trichlorobenzene	210000	U
91-20-3	Naphthalene	210000	U
106-47-8	4-Chloroaniline	210000	U
87-68-3	Hexachlorobutadiene	210000	U
59-50-7	4-Chloro-3-Methylphenol	210000	U
91-57-6	2-Methylnaphthalene	210000	U
77-47-4	Hexachlorocyclopentadiene	210000	U
88-06-2	2,4,6-Trichlorophenol	210000	U
95-95-4	2,4,5-Trichlorophenol	1000000	U
91-58-7	2-Chloronaphthalene	210000	U
88-74-4	2-Nitroaniline	1000000	U
131-11-3	Dimethyl Phthalate	210000	U
208-96-8	Acenaphthylene	210000	U
606-20-2	2,6-Dinitrotoluene	210000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB203

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72328

Sample wt/vol: 1.9 (g/mL) G

Lab File ID: 2BN10709H

Level: (low/med) MED

Date Received: 05/30/91

% Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1000000	U
83-32-9	Acenaphthene	210000	U
51-28-5	2,4-Dinitrophenol	1000000	U
100-02-7	4-Nitrophenol	1000000	U
132-64-9	Dibenzofuran	210000	U
121-14-2	2,4-Dinitrotoluene	210000	U
84-66-2	Diethylphthalate	210000	U
7005-72-3	4-Chlorophenyl-phenylether	210000	U
86-73-7	Fluorene	210000	U
100-01-6	4-Nitroaniline	1000000	U
534-52-1	4,6-Dinitro-2-Methylphenol	1000000	U
86-30-6	N-Nitrosodiphenylamine (1)	210000	U
101-55-3	4-Bromophenyl-phenylether	210000	U
118-74-1	Hexachlorobenzene	210000	U
87-86-5	Pentachlorophenol	1400000	U
85-01-8	Phenanthrene	210000	U
120-12-7	Anthracene	210000	U
84-74-2	Di-n-Butylphthalate	210000	U
206-44-0	Fluoranthene	210000	U
129-00-0	Pyrene	210000	U
85-68-7	Butylbenzylphthalate	210000	U
91-94-1	3,3'-Dichlorobenzidine	420000	U
56-55-3	Benzo(a)Anthracene	210000	U
218-01-9	Chrysene	210000	U
117-81-7	bis(2-Ethylhexyl)phthalate	210000	U
117-84-0	Di-n-Octyl Phthalate	210000	U
205-99-2	Benzo(b)Fluoranthene	210000	U
207-08-9	Benzo(k)Fluoranthene	210000	U
50-32-8	Benzo(a)Pyrene	210000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	210000	U
53-70-3	Dibenz(a,h)Anthracene	210000	U
191-24-2	Benzo(g,h,i)Perylene	210000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB203

Client Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72328

Sample wt/vol: 1.9 (g/mL) G

Lab File ID: 2BN10709H

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 20

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	25.99	220000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB204

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72329

Sample wt/vol: 1.7 (g/mL) G

Lab File ID: 2BN10709C

Level: (low/med) MED

Date Received: 05/30/91

% Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/09/91

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 80

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	930000	U
111-44-4	bis(2-Chloroethyl) Ether	930000	U
95-57-8	2-Chlorophenol	930000	U
541-73-1	1,3-Dichlorobenzene	930000	U
106-46-7	1,4-Dichlorobenzene	930000	U
100-51-6	Benzyl Alcohol	930000	U
95-50-1	1,2-Dichlorobenzene	930000	U
95-48-7	2-Methylphenol	930000	U
108-60-1	bis(2-Chloroisopropyl) Ether	930000	U
106-44-5	4-Methylphenol	930000	U
621-64-7	N-Nitroso-Di-n-Propylamine	930000	U
67-72-1	Hexachloroethane	930000	U
98-95-3	Nitrobenzene	930000	U
78-59-1	Isophorone	930000	U
88-75-5	2-Nitrophenol	930000	U
105-67-9	2,4-Dimethylphenol	930000	U
65-85-0	Benzoic Acid	4500000	U
111-91-1	bis(2-Chloroethoxy) Methane	930000	U
120-83-2	2,4-Dichlorophenol	930000	U
120-82-1	1,2,4-Trichlorobenzene	930000	U
91-20-3	Naphthalene	930000	U
106-47-8	4-Chloroaniline	930000	U
87-68-3	Hexachlorobutadiene	930000	U
59-50-7	4-Chloro-3-Methylphenol	930000	U
91-57-6	2-Methylnaphthalene	930000	U
77-47-4	Hexachlorocyclopentadiene	930000	U
88-06-2	2,4,6-Trichlorophenol	930000	U
95-95-4	2,4,5-Trichlorophenol	4500000	U
91-58-7	2-Chloronaphthalene	930000	U
88-74-4	2-Nitroaniline	4500000	U
131-11-3	Dimethyl Phthalate	930000	U
208-96-8	Acenaphthylene	930000	U
606-20-2	2,6-Dinitrotoluene	930000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB204

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

Matrix: (soil/water) SOIL Lab Sample ID: 72329

Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10709C

Level: (low/med) MED Date Received: 05/30/91

Moisture: not dec. dec. Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/09/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 80

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4500000	U
83-32-9	Acenaphthene	930000	U
51-28-5	2,4-Dinitrophenol	4500000	U
100-02-7	4-Nitrophenol	4500000	U
132-64-9	Dibenzofuran	930000	U
121-14-2	2,4-Dinitrotoluene	930000	U
84-66-2	Diethylphthalate	930000	U
7005-72-3	4-Chlorophenyl-phenylether	930000	U
86-73-7	Fluorene	930000	U
100-01-6	4-Nitroaniline	4500000	U
534-52-1	4,6-Dinitro-2-Methylphenol	4500000	U
86-30-6	N-Nitrosodiphenylamine (1)	930000	U
101-55-3	4-Bromophenyl-phenylether	930000	U
118-74-1	Hexachlorobenzene	930000	U
87-86-5	Pentachlorophenol	5600000	U
85-01-8	Phenanthrene	930000	U
120-12-7	Anthracene	930000	U
84-74-2	Di-n-Butylphthalate	930000	U
206-44-0	Fluoranthene	930000	U
129-00-0	Pyrene	930000	U
85-68-7	Butylbenzylphthalate	930000	U
91-94-1	3,3'-Dichlorobenzidine	1900000	U
56-55-3	Benzo(a)Anthracene	930000	U
218-01-9	Chrysene	930000	U
117-81-7	bis(2-Ethylhexyl)phthalate	930000	U
117-84-0	Di-n-Octyl Phthalate	930000	U
205-99-2	Benzo(b)Fluoranthene	930000	U
207-08-9	Benzo(k)Fluoranthene	930000	U
50-32-8	Benzo(a)Pyrene	930000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	930000	U
53-70-3	Dibenz(a,h)Anthracene	930000	U
191-24-2	Benzo(g,h,i)Perylene	930000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB204

Name: WEYERHAEUSER	Contract: MCCOURT	
Lab Code: WEYER	Case No.: 05855	SAS No.: SDG No.: 72326
Matrix: (soil/water) SOIL		Lab Sample ID: 72329
Sample wt/vol: 1.7 (g/mL) G		Lab File ID: 2BN10709C
Level: (low/med) MED		Date Received: 05/30/91
Moisture: not dec. dec.		Date Extracted: 07/03/91
Extraction: (SepF/Cont/Sonc) SONC		Date Analyzed: 07/09/91
SPC Cleanup: (Y/N) N pH:		Dilution Factor: 80

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB205

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72330

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: 2BN10709I

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	300000	U
111-44-4-----	bis(2-Chloroethyl) Ether	300000	U
95-57-8-----	2-Chlorophenol	300000	U
541-73-1-----	1,3-Dichlorobenzene	300000	U
106-46-7-----	1,4-Dichlorobenzene	300000	U
100-51-6-----	Benzyl Alcohol	300000	U
95-50-1-----	1,2-Dichlorobenzene	300000	U
95-48-7-----	2-Methylphenol	300000	U
108-60-1-----	bis(2-Chloroisopropyl) Ether	300000	U
106-44-5-----	4-Methylphenol	300000	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	300000	U
67-72-1-----	Hexachloroethane	300000	U
98-95-3-----	Nitrobenzene	300000	U
78-59-1-----	Isophorone	300000	U
88-75-5-----	2-Nitrophenol	300000	U
105-67-9-----	2,4-Dimethylphenol	300000	U
65-85-0-----	Benzoic Acid	1500000	U
111-91-1-----	bis(2-Chloroethoxy) Methane	300000	U
120-83-2-----	2,4-Dichlorophenol	300000	U
120-82-1-----	1,2,4-Trichlorobenzene	300000	U
91-20-3-----	Naphthalene	300000	U
106-47-8-----	4-Chloroaniline	300000	U
87-68-3-----	Hexachlorobutadiene	300000	U
59-50-7-----	4-Chloro-3-Methylphenol	300000	U
91-57-6-----	2-Methylnaphthalene	300000	U
77-47-4-----	Hexachlorocyclopentadiene	300000	U
88-06-2-----	2,4,6-Trichlorophenol	300000	U
95-95-4-----	2,4,5-Trichlorophenol	1500000	U
91-58-7-----	2-Chloronaphthalene	300000	U
88-74-4-----	2-Nitroaniline	1500000	U
131-11-3-----	Dimethyl Phthalate	300000	U
208-96-8-----	Acenaphthylene	300000	U
606-20-2-----	2,6-Dinitrotoluene	300000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB205

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72330
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10709I
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 APC Cleanup: (Y/N) N pH: Dilution Factor: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1500000	U
83-32-9	Acenaphthene	300000	U
51-28-5	2,4-Dinitrophenol	1500000	U
100-02-7	4-Nitrophenol	1500000	U
132-64-9	Dibenzofuran	300000	U
121-14-2	2,4-Dinitrotoluene	300000	U
84-66-2	Diethylphthalate	300000	U
7005-72-3	4-Chlorophenyl-phenylether	300000	U
86-73-7	Fluorene	300000	U
100-01-6	4-Nitroaniline	1500000	U
534-52-1	4,6-Dinitro-2-Methylphenol	1500000	U
86-30-6	N-Nitrosodiphenylamine (1)	300000	U
101-55-3	4-Bromophenyl-phenylether	300000	U
118-74-1	Hexachlorobenzene	300000	U
87-86-5	Pentachlorophenol	830000	J
85-01-8	Phenanthrene	300000	U
120-12-7	Anthracene	300000	U
84-74-2	Di-n-Butylphthalate	300000	U
206-44-0	Fluoranthene	300000	U
129-00-0	Pyrene	300000	U
85-68-7	Butylbenzylphthalate	300000	U
91-94-1	3,3'-Dichlorobenzidine	610000	U
56-55-3	Benzo(a)Anthracene	300000	U
218-01-9	Chrysene	300000	U
117-81-7	bis(2-Ethylhexyl)phthalate	300000	U
117-84-0	Di-n-Octyl Phthalate	300000	U
205-99-2	Benzo(b) Fluoranthene	300000	U
207-08-9	Benzo(k) Fluoranthene	300000	U
50-32-8	Benzo(a) Pyrene	300000	U
193-39-5	Indeno(1,2,3-cd) Pyrene	300000	U
53-70-3	Dibenz(a,h)Anthracene	300000	U
191-24-2	Benzo(g,h,i) Perylene	300000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB205

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72330

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: 2BN10709I

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 20

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.49	230000	JX
2.	UNKNOWN	36.81	230000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB206

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72331
 Sample wt/vol: 1.6 (g/mL) G Lab File ID: 2BN10709J
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 EPA Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	50000	U
111-44-4	bis(2-Chloroethyl) Ether	50000	U
95-57-8	2-Chlorophenol	50000	U
541-73-1	1,3-Dichlorobenzene	50000	U
106-46-7	1,4-Dichlorobenzene	50000	U
100-51-6	Benzyl Alcohol	50000	U
95-50-1	1,2-Dichlorobenzene	50000	U
95-48-7	2-Methylphenol	50000	U
108-60-1	bis(2-Chloroisopropyl) Ether	50000	U
106-44-5	4-Methylphenol	50000	U
621-64-7	N-Nitroso-Di-n-Propylamine	50000	U
67-72-1	Hexachloroethane	50000	U
98-95-3	Nitrobenzene	50000	U
78-59-1	Isophorone	50000	U
88-75-5	2-Nitrophenol	50000	U
105-67-9	2,4-Dimethylphenol	50000	U
65-85-0	Benzoic Acid	240000	U
111-91-1	bis(2-Chloroethoxy) Methane	50000	U
120-83-2	2,4-Dichlorophenol	50000	U
120-82-1	1,2,4-Trichlorobenzene	50000	U
91-20-3	Naphthalene	50000	U
106-47-8	4-Chloroaniline	50000	U
87-68-3	Hexachlorobutadiene	50000	U
59-50-7	4-Chloro-3-Methylphenol	50000	U
91-57-6	2-Methylnaphthalene	50000	U
77-47-4	Hexachlorocyclopentadiene	50000	U
88-06-2	2,4,6-Trichlorophenol	50000	U
95-95-4	2,4,5-Trichlorophenol	240000	U
91-58-7	2-Chloronaphthalene	50000	U
88-74-4	2-Nitroaniline	240000	U
131-11-3	Dimethyl Phthalate	50000	U
208-96-8	Acenaphthylene	50000	U
606-20-2	2,6-Dinitrotoluene	50000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB206

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72331
 Sample wt/vol: 1.6 (g/mL) G Lab File ID: 2BN10709J
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	240000	U
83-32-9	Acenaphthene	50000	U
51-28-5	2,4-Dinitrophenol	240000	U
100-02-7	4-Nitrophenol	240000	U
132-64-9	Dibenzofuran	50000	U
121-14-2	2,4-Dinitrotoluene	50000	U
84-66-2	Diethylphthalate	50000	U
7005-72-3	4-Chlorophenyl-phenylether	50000	U
86-73-7	Fluorene	50000	U
100-01-6	4-Nitroaniline	240000	U
534-52-1	4,6-Dinitro-2-Methylphenol	240000	U
86-30-6	N-Nitrosodiphenylamine (1)	50000	U
101-55-3	4-Bromophenyl-phenylether	50000	U
118-74-1	Hexachlorobenzene	50000	U
87-86-5	Pentachlorophenol	170000	J
85-01-8	Phenanthrene	50000	U
120-12-7	Anthracene	50000	U
84-74-2	Di-n-Butylphthalate	50000	U
206-44-0	Fluoranthene	50000	U
129-00-0	Pyrene	50000	U
85-68-7	Butylbenzylphthalate	50000	U
91-94-1	3,3'-Dichlorobenzidine	99000	U
56-55-3	Benzo(a)Anthracene	50000	U
218-01-9	Chrysene	50000	U
117-81-7	bis(2-Ethylhexyl)phthalate	50000	U
117-84-0	Di-n-Octyl Phthalate	50000	U
205-99-2	Benzo(b)Fluoranthene	50000	U
207-08-9	Benzo(k)Fluoranthene	50000	U
50-32-8	Benzo(a)Pyrene	50000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	50000	U
53-70-3	Dibenz(a,h)Anthracene	50000	U
191-24-2	Benzo(g,h,i)Perylene	50000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB206

Name: WEYERHAEUSER Contract: MCCOURT
Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
Matrix: (soil/water) SOIL Lab Sample ID: 72331
Sample wt/vol: 1.6 (g/mL) G Lab File ID: 2BN10709J
Level: (low/med) MED Date Received: 05/30/91
& Moisture: not dec. dec. Date Extracted: 07/03/91
Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
GPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB207

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72332
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10709K
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	760000	U
111-44-4	bis(2-Chloroethyl) Ether	760000	U
95-57-8	2-Chlorophenol	760000	U
541-73-1	1,3-Dichlorobenzene	760000	U
106-46-7	1,4-Dichlorobenzene	760000	U
100-51-6	Benzyl Alcohol	760000	U
95-50-1	1,2-Dichlorobenzene	760000	U
95-48-7	2-Methylphenol	760000	U
108-60-1	bis(2-Chloroisopropyl) Ether	760000	U
106-44-5	4-Methylphenol	760000	U
621-64-7	N-Nitroso-Di-n-Propylamine	760000	U
67-72-1	Hexachloroethane	760000	U
98-95-3	Nitrobenzene	760000	U
78-59-1	Isophorone	760000	U
88-75-5	2-Nitrophenol	760000	U
105-67-9	2,4-Dimethylphenol	760000	U
65-85-0	Benzoic Acid	3700000	U
111-91-1	bis(2-Chloroethoxy) Methane	760000	U
120-83-2	2,4-Dichlorophenol	760000	U
120-82-1	1,2,4-Trichlorobenzene	760000	U
91-20-3	Naphthalene	760000	U
106-47-8	4-Chloroaniline	760000	U
87-68-3	Hexachlorobutadiene	760000	U
59-50-7	4-Chloro-3-Methylphenol	760000	U
91-57-6	2-Methylnaphthalene	760000	U
77-47-4	Hexachlorocyclopentadiene	760000	U
88-06-2	2,4,6-Trichlorophenol	760000	U
95-95-4	2,4,5-Trichlorophenol	190000	J
91-58-7	2-Chloronaphthalene	760000	U
88-74-4	2-Nitroaniline	3700000	U
131-11-3	Dimethyl Phthalate	760000	U
208-96-8	Acenaphthylene	760000	U
606-20-2	2,6-Dinitrotoluene	760000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB207

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72332
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10709K
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3700000	U
83-32-9	Acenaphthene	760000	U
51-28-5	2,4-Dinitrophenol	3700000	U
100-02-7	4-Nitrophenol	3700000	U
132-64-9	Dibenzofuran	760000	U
121-14-2	2,4-Dinitrotoluene	760000	U
84-66-2	Diethylphthalate	760000	U
7005-72-3	4-Chlorophenyl-phenylether	760000	U
86-73-7	Fluorene	760000	U
100-01-6	4-Nitroaniline	3700000	U
534-52-1	4,6-Dinitro-2-Methylphenol	3700000	U
86-30-6	N-Nitrosodiphenylamine (1)	760000	U
101-55-3	4-Bromophenyl-phenylether	760000	U
118-74-1	Hexachlorobenzene	760000	U
87-86-5	Pentachlorophenol	2300000	J
85-01-8	Phenanthrene	760000	U
120-12-7	Anthracene	760000	U
84-74-2	Di-n-Butylphthalate	760000	U
206-44-0	Fluoranthene	760000	U
129-00-0	Pyrene	760000	U
85-68-7	Butylbenzylphthalate	760000	U
91-94-1	3,3'-Dichlorobenzidine	1500000	U
56-55-3	Benzo(a)Anthracene	760000	U
218-01-9	Chrysene	760000	U
117-81-7	bis(2-Ethylhexyl)phthalate	760000	U
117-84-0	Di-n-Octyl Phthalate	760000	U
205-99-2	Benzo(b)Fluoranthene	760000	U
207-08-9	Benzo(k)Fluoranthene	760000	U
50-32-8	Benzo(a)Pyrene	760000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	760000	U
53-70-3	Dibenz(a,h)Anthracene	760000	U
191-24-2	Benzo(g,h,i)Perylene	760000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB207

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72332
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10709K
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 50

Number TICs found: 3 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.49	420000	JX
2.	UNKNOWN	25.42	410000	JX
3.	UNKNOWN	33.64	200000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB208

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72333
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10710A
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	13000	U
111-44-4	bis(2-Chloroethyl) Ether	13000	U
95-57-8	2-Chlorophenol	13000	U
541-73-1	1,3-Dichlorobenzene	13000	U
106-46-7	1,4-Dichlorobenzene	13000	U
100-51-6	Benzyl Alcohol	13000	U
95-50-1	1,2-Dichlorobenzene	13000	U
95-48-7	2-Methylphenol	13000	U
108-60-1	bis(2-Chloroisopropyl) Ether	13000	U
106-44-5	4-Methylphenol	13000	U
621-64-7	N-Nitroso-Di-n-Propylamine	13000	U
67-72-1	Hexachloroethane	13000	U
98-95-3	Nitrobenzene	13000	U
78-59-1	Isophorone	13000	U
88-75-5	2-Nitrophenol	13000	U
105-67-9	2,4-Dimethylphenol	13000	U
65-85-0	Benzoic Acid	64000	U
111-91-1	bis(2-Chloroethoxy) Methane	13000	U
120-83-2	2,4-Dichlorophenol	13000	U
120-82-1	1,2,4-Trichlorobenzene	13000	U
91-20-3	Naphthalene	13000	U
106-47-8	4-Chloroaniline	13000	U
87-68-3	Hexachlorobutadiene	13000	U
59-50-7	4-Chloro-3-Methylphenol	13000	U
91-57-6	2-Methylnaphthalene	13000	U
77-47-4	Hexachlorocyclopentadiene	13000	U
88-06-2	2,4,6-Trichlorophenol	13000	U
95-95-4	2,4,5-Trichlorophenol	64000	U
91-58-7	2-Chloronaphthalene	13000	U
88-74-4	2-Nitroaniline	64000	U
131-11-3	Dimethyl Phthalate	13000	U
208-96-8	Acenaphthylene	13000	U
606-20-2	2,6-Dinitrotoluene	13000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB208

Lab Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72333
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10710A
 Level: (low/med) MED Date Received: 05/30/91
 % Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	64000	U
83-32-9	Acenaphthene	13000	U
51-28-5	2,4-Dinitrophenol	64000	U
100-02-7	4-Nitrophenol	64000	U
132-64-9	Dibenzofuran	13000	U
121-14-2	2,4-Dinitrotoluene	13000	U
84-66-2	Diethylphthalate	13000	U
7005-72-3	4-Chlorophenyl-phenylether	13000	U
86-73-7	Fluorene	13000	U
100-01-6	4-Nitroaniline	64000	U
534-52-1	4,6-Dinitro-2-Methylphenol	64000	U
86-30-6	N-Nitrosodiphenylamine (1)	13000	U
101-55-3	4-Bromophenyl-phenylether	13000	U
118-74-1	Hexachlorobenzene	13000	U
87-86-5	Pentachlorophenol	5000	J
85-01-8	Phenanthrene	13000	U
120-12-7	Anthracene	13000	U
84-74-2	Di-n-Butylphthalate	13000	U
206-44-0	Fluoranthene	13000	U
129-00-0	Pyrene	13000	U
85-68-7	Butylbenzylphthalate	13000	U
91-94-1	3,3'-Dichlorobenzidine	26000	U
56-55-3	Benzo(a)Anthracene	13000	U
218-01-9	Chrysene	13000	U
117-81-7	bis(2-Ethylhexyl)phthalate	2900	J
117-84-0	Di-n-Octyl Phthalate	13000	U
205-99-2	Benzo(b)Fluoranthene	13000	U
207-08-9	Benzo(k)Fluoranthene	13000	U
50-32-8	Benzo(a)Pyrene	13000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	13000	U
53-70-3	Dibenz(a,h)Anthracene	13000	U
191-24-2	Benzo(g,h,i)Perylene	13000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB208

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72333
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10710A
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	25.66	14000	JX
2.	UNKNOWN	31.84	9000	JX
3.	UNKNOWN	32.17	4500	JX
4.	UNKNOWN	32.71	6500	JX
5.	UNKNOWN	32.74	9700	JX
6.	UNKNOWN	33.07	4500	JX
7.	UNKNOWN	33.39	7600	JX
8.	UNKNOWN	33.46	6600	JX
9.	UNKNOWN	33.56	4100	JX
10.	UNKNOWN	33.86	8200	JX
11.	UNKNOWN	34.44	5400	JX
12.	UNKNOWN	34.51	6800	JX
13.	UNKNOWN	34.71	6300	JX
14.	UNKNOWN	35.06	11000	JX
15.	UNKNOWN	35.22	11000	JX
16.	UNKNOWN	35.37	4800	JX
17.	UNKNOWN	35.47	8500	JX
18.	UNKNOWN	35.66	13000	JX
19.	UNKNOWN	35.76	12000	JX
20.	UNKNOWN	36.54	11000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB209

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72334

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: BN0709B

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

EPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2	Phenol	14000	U
111-44-4	bis(2-Chloroethyl) Ether	14000	U
95-57-8	2-Chlorophenol	14000	U
541-73-1	1,3-Dichlorobenzene	14000	U
106-46-7	1,4-Dichlorobenzene	14000	U
100-51-6	Benzyl Alcohol	14000	U
95-50-1	1,2-Dichlorobenzene	14000	U
95-48-7	2-Methylphenol	14000	U
108-60-1	bis(2-Chloroisopropyl) Ether	14000	U
106-44-5	4-Methylphenol	14000	U
621-64-7	N-Nitroso-Di-n-Propylamine	14000	U
67-72-1	Hexachloroethane	14000	U
98-95-3	Nitrobenzene	14000	U
78-59-1	Isophorone	14000	U
88-75-5	2-Nitrophenol	14000	U
105-67-9	2,4-Dimethylphenol	14000	U
65-85-0	Benzoic Acid	69000	U
111-91-1	bis(2-Chloroethoxy) Methane	14000	U
120-83-2	2,4-Dichlorophenol	14000	U
120-82-1	1,2,4-Trichlorobenzene	14000	U
91-20-3	Naphthalene	14000	U
106-47-8	4-Chloroaniline	14000	U
87-68-3	Hexachlorobutadiene	14000	U
59-50-7	4-Chloro-3-Methylphenol	14000	U
91-57-6	2-Methylnaphthalene	14000	U
77-47-4	Hexachlorocyclopentadiene	14000	U
88-06-2	2,4,6-Trichlorophenol	14000	U
95-95-4	2,4,5-Trichlorophenol	69000	U
91-58-7	2-Chloronaphthalene	14000	U
88-74-4	2-Nitroaniline	69000	U
131-11-3	Dimethyl Phthalate	14000	U
208-96-8	Acenaphthylene	14000	U
606-20-2	2,6-Dinitrotoluene	14000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB209

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72334
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0709B
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2-----	3-Nitroaniline	69000	U
83-32-9-----	Acenaphthene	14000	U
51-28-5-----	2,4-Dinitrophenol	69000	U
100-02-7-----	4-Nitrophenol	69000	U
132-64-9-----	Dibenzofuran	14000	U
121-14-2-----	2,4-Dinitrotoluene	14000	U
84-66-2-----	Diethylphthalate	14000	U
7005-72-3-----	4-Chlorophenyl-phenylether	14000	U
86-73-7-----	Fluorene	14000	U
100-01-6-----	4-Nitroaniline	69000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	69000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	14000	U
101-55-3-----	4-Bromophenyl-phenylether	14000	U
118-74-1-----	Hexachlorobenzene	14000	U
87-86-5-----	Pentachlorophenol	69000	U
85-01-8-----	Phenanthrene	14000	U
120-12-7-----	Anthracene	14000	U
84-74-2-----	Di-n-Butylphthalate	14000	U
206-44-0-----	Fluoranthene	14000	U
129-00-0-----	Pyrene	14000	U
85-68-7-----	Butylbenzylphthalate	14000	U
91-94-1-----	3,3'-Dichlorobenzidine	28000	U
56-55-3-----	Benzo(a)Anthracene	14000	U
218-01-9-----	Chrysene	14000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	14000	U
117-84-0-----	Di-n-Octyl Phthalate	14000	U
205-99-2-----	Benzo(b)Fluoranthene	14000	U
207-08-9-----	Benzo(k)Fluoranthene	14000	U
50-32-8-----	Benzo(a)Pyrene	14000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	14000	U
53-70-3-----	Dibenz(a,h)Anthracene	14000	U
191-24-2-----	Benzo(g,h,i)Perylene	14000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB209

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72334

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: BN0709B

Level: (low/med) MED

Date Received: 05/30/91

% Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB210

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72335

Sample wt/vol: 1.8 (g/mL) G

Lab File ID: 2BN10709M

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	11000	U
111-44-4	bis(2-Chloroethyl) Ether	11000	U
95-57-8	2-Chlorophenol	11000	U
541-73-1	1,3-Dichlorobenzene	11000	U
106-46-7	1,4-Dichlorobenzene	11000	U
100-51-6	Benzyl Alcohol	11000	U
95-50-1	1,2-Dichlorobenzene	11000	U
95-48-7	2-Methylphenol	11000	U
108-60-1	bis(2-Chloroisopropyl) Ether	11000	U
106-44-5	4-Methylphenol	11000	U
621-64-7	N-Nitroso-Di-n-Propylamine	11000	U
67-72-1	Hexachloroethane	11000	U
98-95-3	Nitrobenzene	11000	U
78-59-1	Isophorone	11000	U
88-75-5	2-Nitrophenol	11000	U
105-67-9	2,4-Dimethylphenol	11000	U
65-85-0	Benzoic Acid	53000	U
111-91-1	bis(2-Chloroethoxy) Methane	11000	U
120-83-2	2,4-Dichlorophenol	11000	U
120-82-1	1,2,4-Trichlorobenzene	11000	U
91-20-3	Naphthalene	11000	U
106-47-8	4-Chloroaniline	11000	U
87-68-3	Hexachlorobutadiene	11000	U
59-50-7	4-Chloro-3-Methylphenol	11000	U
91-57-6	2-Methylnaphthalene	11000	U
77-47-4	Hexachlorocyclopentadiene	11000	U
88-06-2	2,4,6-Trichlorophenol	11000	U
95-95-4	2,4,5-Trichlorophenol	53000	U
91-58-7	2-Chloronaphthalene	11000	U
88-74-4	2-Nitroaniline	53000	U
131-11-3	Dimethyl Phthalate	11000	U
208-96-8	Acenaphthylene	11000	U
606-20-2	2,6-Dinitrotoluene	11000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB210

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72335
 Sample wt/vol: 1.8 (g/mL) G Lab File ID: 2BN10709M
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
 HPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2-----	3-Nitroaniline	53000	U
83-32-9-----	Acenaphthene	11000	U
51-28-5-----	2,4-Dinitrophenol	53000	U
100-02-7-----	4-Nitrophenol	53000	U
132-64-9-----	Dibenzofuran	11000	U
121-14-2-----	2,4-Dinitrotoluene	11000	U
84-66-2-----	Diethylphthalate	11000	U
7005-72-3-----	4-Chlorophenyl-phenylether	11000	U
86-73-7-----	Fluorene	11000	U
100-01-6-----	4-Nitroaniline	53000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	53000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	11000	U
101-55-3-----	4-Bromophenyl-phenylether	11000	U
118-74-1-----	Hexachlorobenzene	11000	U
87-86-5-----	Pentachlorophenol	5800	J
85-01-8-----	Phenanthrene	11000	U
120-12-7-----	Anthracene	11000	U
84-74-2-----	Di-n-Butylphthalate	11000	U
206-44-0-----	Fluoranthene	11000	U
129-00-0-----	Pyrene	11000	U
85-68-7-----	Butylbenzylphthalate	11000	U
91-94-1-----	3,3'-Dichlorobenzidine	22000	U
56-55-3-----	Benzo(a)Anthracene	11000	U
218-01-9-----	Chrysene	11000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	11000	U
117-84-0-----	Di-n-Octyl Phthalate	11000	U
205-99-2-----	Benzo(b) Fluoranthene	11000	U
207-08-9-----	Benzo(k) Fluoranthene	11000	U
50-32-8-----	Benzo(a) Pyrene	11000	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	11000	U
53-70-3-----	Dibenz(a,h) Anthracene	11000	U
191-24-2-----	Benzo(g,h,i) Perylene	11000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB210

Name: WEYERHAEUSER Contract: MCCOURT
Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
Matrix: (soil/water) SOIL Lab Sample ID: 72335
Sample wt/vol: 1.8 (g/mL) G Lab File ID: 2BN10709M
Level: (low/med) MED Date Received: 05/30/91
Moisture: not dec. dec. Date Extracted: 07/03/91
Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91
GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 0
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB211

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72336
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10709N
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	53000	U
111-44-4	bis(2-Chloroethyl) Ether	53000	U
95-57-8	2-Chlorophenol	53000	U
541-73-1	1,3-Dichlorobenzene	53000	U
106-46-7	1,4-Dichlorobenzene	53000	U
100-51-6	Benzyl Alcohol	53000	U
95-50-1	1,2-Dichlorobenzene	53000	U
95-48-7	2-Methylphenol	53000	U
108-60-1	bis(2-Chloroisopropyl) Ether	53000	U
106-44-5	4-Methylphenol	53000	U
621-64-7	N-Nitroso-Di-n-Propylamine	53000	U
67-72-1	Hexachloroethane	53000	U
98-95-3	Nitrobenzene	53000	U
78-59-1	Isophorone	53000	U
88-75-5	2-Nitrophenol	53000	U
105-67-9	2,4-Dimethylphenol	53000	U
65-85-0	Benzoic Acid	260000	U
111-91-1	bis(2-Chloroethoxy) Methane	53000	U
120-83-2	2,4-Dichlorophenol	53000	U
120-82-1	1,2,4-Trichlorobenzene	53000	U
91-20-3	Naphthalene	53000	U
106-47-8	4-Chloroaniline	53000	U
87-68-3	Hexachlorobutadiene	53000	U
59-50-7	4-Chloro-3-Methylphenol	53000	U
91-57-6	2-Methylnaphthalene	53000	U
77-47-4	Hexachlorocyclopentadiene	53000	U
88-06-2	2,4,6-Trichlorophenol	53000	U
95-95-4	2,4,5-Trichlorophenol	260000	U
91-58-7	2-Chloronaphthalene	53000	U
88-74-4	2-Nitroaniline	260000	U
131-11-3	Dimethyl Phthalate	53000	U
208-96-8	Acenaphthylene	53000	U
606-20-2	2,6-Dinitrotoluene	53000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB211

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72336
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10709N
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	260000	U
83-32-9	Acenaphthene	53000	U
51-28-5	2,4-Dinitrophenol	260000	U
100-02-7	4-Nitrophenol	260000	U
132-64-9	Dibenzofuran	53000	U
121-14-2	2,4-Dinitrotoluene	53000	U
84-66-2	Diethylphthalate	53000	U
7005-72-3	4-Chlorophenyl-phenylether	53000	U
86-73-7	Fluorene	53000	U
100-01-6	4-Nitroaniline	260000	U
534-52-1	4,6-Dinitro-2-Methylphenol	260000	U
86-30-6	N-Nitrosodiphenylamine (1)	53000	U
101-55-3	4-Bromophenyl-phenylether	53000	U
118-74-1	Hexachlorobenzene	53000	U
87-86-5	Pentachlorophenol	280000	
85-01-8	Phenanthrene	53000	U
120-12-7	Anthracene	53000	U
84-74-2	Di-n-Butylphthalate	53000	U
206-44-0	Fluoranthene	53000	U
129-00-0	Pyrene	53000	U
85-68-7	Butylbenzylphthalate	53000	U
91-94-1	3,3'-Dichlorobenzidine	110000	U
56-55-3	Benzo(a)Anthracene	53000	U
218-01-9	Chrysene	53000	U
117-81-7	bis(2-Ethylhexyl)phthalate	53000	U
117-84-0	Di-n-Octyl Phthalate	53000	U
205-99-2	Benzo(b)Fluoranthene	53000	U
207-08-9	Benzo(k)Fluoranthene	53000	U
50-32-8	Benzo(a)Pyrene	53000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	53000	U
53-70-3	Dibenz(a,h)Anthracene	53000	U
191-24-2	Benzo(g,h,i)Perylene	53000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB211

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72336

Sample wt/vol: 1.5 (g/mL) G

Lab File ID: 2BN10709N

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 4.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB212

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72337
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: BN0709D
 Level: (low/med) MED Date Received: 05/30/91
 % Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 GPC Cleanup: (Y/N) N pH: Dilution Factor: 5.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	99000	U
111-44-4	bis(2-Chloroethyl) Ether	99000	U
95-57-8	2-Chlorophenol	99000	U
541-73-1	1,3-Dichlorobenzene	99000	U
106-46-7	1,4-Dichlorobenzene	99000	U
100-51-6	Benzyl Alcohol	99000	U
95-50-1	1,2-Dichlorobenzene	99000	U
95-48-7	2-Methylphenol	99000	U
108-60-1	bis(2-Chloroisopropyl) Ether	99000	U
106-44-5	4-Methylphenol	99000	U
621-64-7	N-Nitroso-Di-n-Propylamine	99000	U
67-72-1	Hexachloroethane	99000	U
98-95-3	Nitrobenzene	99000	U
78-59-1	Isophorone	99000	U
88-75-5	2-Nitrophenol	99000	U
105-67-9	2,4-Dimethylphenol	99000	U
65-85-0	Benzoic Acid	480000	U
111-91-1	bis(2-Chloroethoxy) Methane	99000	U
120-83-2	2,4-Dichlorophenol	99000	U
120-82-1	1,2,4-Trichlorobenzene	99000	U
91-20-3	Naphthalene	99000	U
106-47-8	4-Chloroaniline	99000	U
87-68-3	Hexachlorobutadiene	99000	U
59-50-7	4-Chloro-3-Methylphenol	99000	U
91-57-6	2-Methylnaphthalene	99000	U
77-47-4	Hexachlorocyclopentadiene	99000	U
88-06-2	2,4,6-Trichlorophenol	99000	U
95-95-4	2,4,5-Trichlorophenol	480000	U
91-58-7	2-Chloronaphthalene	99000	U
88-74-4	2-Nitroaniline	480000	U
131-11-3	Dimethyl Phthalate	99000	U
208-96-8	Acenaphthylene	99000	U
606-20-2	2,6-Dinitrotoluene	99000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB212

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72337
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: BN0709D
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 HPC Cleanup: (Y/N) N pH: Dilution Factor: 5.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2-----	3-Nitroaniline	480000	U
83-32-9-----	Acenaphthene	99000	U
51-28-5-----	2,4-Dinitrophenol	480000	U
100-02-7-----	4-Nitrophenol	480000	U
132-64-9-----	Dibenzofuran	99000	U
121-14-2-----	2,4-Dinitrotoluene	99000	U
84-66-2-----	Diethylphthalate	99000	U
7005-72-3-----	4-Chlorophenyl-phenylether	99000	U
86-73-7-----	Fluorene	99000	U
100-01-6-----	4-Nitroaniline	480000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	480000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	99000	U
101-55-3-----	4-Bromophenyl-phenylether	99000	U
118-74-1-----	Hexachlorobenzene	99000	U
87-86-5-----	Pentachlorophenol	320000	J
85-01-8-----	Phenanthrene	99000	U
120-12-7-----	Anthracene	99000	U
84-74-2-----	Di-n-Butylphthalate	99000	U
206-44-0-----	Fluoranthene	99000	U
129-00-0-----	Pyrene	99000	U
85-68-7-----	Butylbenzylphthalate	99000	U
91-94-1-----	3,3'-Dichlorobenzidine	200000	U
56-55-3-----	Benzo (a) Anthracene	99000	U
218-01-9-----	Chrysene	99000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	99000	U
117-84-0-----	Di-n-Octyl Phthalate	99000	U
205-99-2-----	Benzo (b) Fluoranthene	99000	U
207-08-9-----	Benzo (k) Fluoranthene	99000	U
50-32-8-----	Benzo (a) Pyrene	99000	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	99000	U
53-70-3-----	Dibenz (a,h) Anthracene	99000	U
191-24-2-----	Benzo (g,h,i) Perylene	99000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB212

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72337

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: BN0709D

Level: (low/med) MED

Date Received: 05/30/91

% Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

GPC Cleanup: (Y/N) N pH:

Dilution Factor: 5.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB213

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72338
 Sample wt/vol: 1.1 (g/mL) G Lab File ID: BN0709E
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 HPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	180000	U
111-44-4	bis(2-Chloroethyl) Ether	180000	U
95-57-8	2-Chlorophenol	180000	U
541-73-1	1,3-Dichlorobenzene	180000	U
106-46-7	1,4-Dichlorobenzene	180000	U
100-51-6	Benzyl Alcohol	180000	U
95-50-1	1,2-Dichlorobenzene	180000	U
95-48-7	2-Methylphenol	180000	U
108-60-1	bis(2-Chloroisopropyl) Ether	180000	U
106-44-5	4-Methylphenol	180000	U
621-64-7	N-Nitroso-Di-n-Propylamine	180000	U
67-72-1	Hexachloroethane	180000	U
98-95-3	Nitrobenzene	180000	U
78-59-1	Isophorone	180000	U
88-75-5	2-Nitrophenol	180000	U
105-67-9	2,4-Dimethylphenol	180000	U
65-85-0	Benzoic Acid	870000	U
111-91-1	bis(2-Chloroethoxy) Methane	180000	U
120-83-2	2,4-Dichlorophenol	180000	U
120-82-1	1,2,4-Trichlorobenzene	180000	U
91-20-3	Naphthalene	180000	U
106-47-8	4-Chloroaniline	180000	U
87-68-3	Hexachlorobutadiene	180000	U
59-50-7	4-Chloro-3-Methylphenol	180000	U
91-57-6	2-Methylnaphthalene	180000	U
77-47-4	Hexachlorocyclopentadiene	180000	U
88-06-2	2,4,6-Trichlorophenol	180000	U
95-95-4	2,4,5-Trichlorophenol	870000	U
91-58-7	2-Chloronaphthalene	180000	U
88-74-4	2-Nitroaniline	870000	U
131-11-3	Dimethyl Phthalate	180000	U
208-96-8	Acenaphthylene	180000	U
606-20-2	2,6-Dinitrotoluene	180000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB213

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72338
 Sample wt/vol: 1.1 (g/mL) G Lab File ID: BN0709E
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	870000	U
83-32-9	Acenaphthene	180000	U
51-28-5	2,4-Dinitrophenol	870000	U
100-02-7	4-Nitrophenol	870000	U
132-64-9	Dibenzofuran	180000	U
121-14-2	2,4-Dinitrotoluene	180000	U
84-66-2	Diethylphthalate	180000	U
7005-72-3	4-Chlorophenyl-phenylether	180000	U
86-73-7	Fluorene	180000	U
100-01-6	4-Nitroaniline	870000	U
534-52-1	4,6-Dinitro-2-Methylphenol	870000	U
86-30-6	N-Nitrosodiphenylamine (1)	180000	U
101-55-3	4-Bromophenyl-phenylether	180000	U
118-74-1	Hexachlorobenzene	180000	U
87-86-5	Pentachlorophenol	310000	J
85-01-8	Phenanthrene	180000	U
120-12-7	Anthracene	180000	U
84-74-2	Di-n-Butylphthalate	180000	U
206-44-0	Fluoranthene	180000	U
129-00-0	Pyrene	180000	U
85-68-7	Butylbenzylphthalate	180000	U
91-94-1	3,3'-Dichlorobenzidine	360000	U
56-55-3	Benzo(a) Anthracene	180000	U
218-01-9	Chrysene	180000	U
117-81-7	bis(2-Ethylhexyl)phthalate	180000	U
117-84-0	Di-n-Octyl Phthalate	180000	U
205-99-2	Benzo(b) Fluoranthene	180000	U
207-08-9	Benzo(k) Fluoranthene	180000	U
50-32-8	Benzo(a) Pyrene	180000	U
193-39-5	Indeno(1,2,3-cd) Pyrene	180000	U
53-70-3	Dibenz(a,h) Anthracene	180000	U
191-24-2	Benzo(g,h,i) Perylene	180000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB213

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72338

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: BN0709E

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 10.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB214

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72339

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: BN0709F

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	200000	U
111-44-4	bis(2-Chloroethyl) Ether	200000	U
95-57-8	2-Chlorophenol	200000	U
541-73-1	1,3-Dichlorobenzene	200000	U
106-46-7	1,4-Dichlorobenzene	200000	U
100-51-6	Benzyl Alcohol	200000	U
95-50-1	1,2-Dichlorobenzene	200000	U
95-48-7	2-Methylphenol	200000	U
108-60-1	bis(2-Chloroisopropyl) Ether	200000	U
106-44-5	4-Methylphenol	200000	U
621-64-7	N-Nitroso-Di-n-Propylamine	200000	U
67-72-1	Hexachloroethane	200000	U
98-95-3	Nitrobenzene	200000	U
78-59-1	Isophorone	200000	U
88-75-5	2-Nitrophenol	200000	U
105-67-9	2,4-Dimethylphenol	200000	U
65-85-0	Benzoic Acid	960000	U
111-91-1	bis(2-Chloroethoxy) Methane	200000	U
120-83-2	2,4-Dichlorophenol	200000	U
120-82-1	1,2,4-Trichlorobenzene	200000	U
91-20-3	Naphthalene	200000	U
106-47-8	4-Chloroaniline	200000	U
87-68-3	Hexachlorobutadiene	200000	U
59-50-7	4-Chloro-3-Methylphenol	200000	U
91-57-6	2-Methylnaphthalene	200000	U
77-47-4	Hexachlorocyclopentadiene	200000	U
88-06-2	2,4,6-Trichlorophenol	200000	U
95-95-4	2,4,5-Trichlorophenol	960000	U
91-58-7	2-Chloronaphthalene	200000	U
88-74-4	2-Nitroaniline	960000	U
131-11-3	Dimethyl Phthalate	200000	U
208-96-8	Acenaphthylene	200000	U
606-20-2	2,6-Dinitrotoluene	200000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB214

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72339

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: BN0709F

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
99-09-2-----	3-Nitroaniline	960000	U
83-32-9-----	Acenaphthene	200000	U
51-28-5-----	2,4-Dinitrophenol	960000	U
100-02-7-----	4-Nitrophenol	960000	U
132-64-9-----	Dibenzofuran	200000	U
121-14-2-----	2,4-Dinitrotoluene	200000	U
84-66-2-----	Diethylphthalate	200000	U
7005-72-3-----	4-Chlorophenyl-phenylether	200000	U
86-73-7-----	Fluorene	200000	U
100-01-6-----	4-Nitroaniline	960000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	960000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	200000	U
101-55-3-----	4-Bromophenyl-phenylether	200000	U
118-74-1-----	Hexachlorobenzene	200000	U
87-86-5-----	Pentachlorophenol	870000	J
85-01-8-----	Phenanthrene	200000	U
120-12-7-----	Anthracene	200000	U
84-74-2-----	Di-n-Butylphthalate	200000	U
206-44-0-----	Fluoranthene	200000	U
129-00-0-----	Pyrene	200000	U
85-68-7-----	Butylbenzylphthalate	200000	U
91-94-1-----	3,3'-Dichlorobenzidine	400000	U
56-55-3-----	Benzo(a)Anthracene	200000	U
218-01-9-----	Chrysene	200000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	200000	U
117-84-0-----	Di-n-Octyl Phthalate	200000	U
205-99-2-----	Benzo(b)Fluoranthene	200000	U
207-08-9-----	Benzo(k)Fluoranthene	200000	U
50-32-8-----	Benzo(a)Pyrene	200000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	200000	U
53-70-3-----	Dibenz(a,h)Anthracene	200000	U
191-24-2-----	Benzo(g,h,i)Perylene	200000	U

(1) - Cannot be separated from Diphenylamine

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB214

Client Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72339

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: BN0709F

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 10

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB215

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72340

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: BN0709G

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	15000	U
111-44-4	bis(2-Chloroethyl) Ether	15000	U
95-57-8	2-Chlorophenol	15000	U
541-73-1	1,3-Dichlorobenzene	15000	U
106-46-7	1,4-Dichlorobenzene	15000	U
100-51-6	Benzyl Alcohol	15000	U
95-50-1	1,2-Dichlorobenzene	15000	U
95-48-7	2-Methylphenol	15000	U
108-60-1	bis(2-Chloroisopropyl) Ether	15000	U
106-44-5	4-Methylphenol	15000	U
621-64-7	N-Nitroso-Di-n-Propylamine	15000	U
67-72-1	Hexachloroethane	15000	U
98-95-3	Nitrobenzene	15000	U
78-59-1	Isophorone	15000	U
88-75-5	2-Nitrophenol	15000	U
105-67-9	2,4-Dimethylphenol	15000	U
65-85-0	Benzoic Acid	74000	U
111-91-1	bis(2-Chloroethoxy) Methane	15000	U
120-83-2	2,4-Dichlorophenol	15000	U
120-82-1	1,2,4-Trichlorobenzene	15000	U
91-20-3	Naphthalene	15000	U
106-47-8	4-Chloroaniline	15000	U
87-68-3	Hexachlorobutadiene	15000	U
59-50-7	4-Chloro-3-Methylphenol	15000	U
91-57-6	2-Methylnaphthalene	15000	U
77-47-4	Hexachlorocyclopentadiene	15000	U
88-06-2	2,4,6-Trichlorophenol	15000	U
95-95-4	2,4,5-Trichlorophenol	74000	U
91-58-7	2-Chloronaphthalene	15000	U
88-74-4	2-Nitroaniline	74000	U
131-11-3	Dimethyl Phthalate	15000	U
208-96-8	Acenaphthylene	15000	U
606-20-2	2,6-Dinitrotoluene	15000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB215

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72340
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: BN0709G
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	74000	U
83-32-9	Acenaphthene	15000	U
51-28-5	2,4-Dinitrophenol	74000	U
100-02-7	4-Nitrophenol	74000	U
132-64-9	Dibenzofuran	15000	U
121-14-2	2,4-Dinitrotoluene	15000	U
84-66-2	Diethylphthalate	15000	U
7005-72-3	4-Chlorophenyl-phenylether	15000	U
86-73-7	Fluorene	15000	U
100-01-6	4-Nitroaniline	74000	U
534-52-1	4,6-Dinitro-2-Methylphenol	74000	U
86-30-6	N-Nitrosodiphenylamine (1)	15000	U
101-55-3	4-Bromophenyl-phenylether	15000	U
118-74-1	Hexachlorobenzene	15000	U
87-86-5	Pentachlorophenol	74000	U
85-01-8	Phenanthrene	15000	U
120-12-7	Anthracene	15000	U
84-74-2	Di-n-Butylphthalate	15000	U
206-44-0	Fluoranthene	15000	U
129-00-0	Pyrene	15000	U
85-68-7	Butylbenzylphthalate	15000	U
91-94-1	3,3'-Dichlorobenzidine	30000	U
56-55-3	Benzo(a)Anthracene	15000	U
218-01-9	Chrysene	15000	U
117-81-7	bis(2-Ethylhexyl)phthalate	15000	U
117-84-0	Di-n-Octyl Phthalate	15000	U
205-99-2	Benzo(b)Fluoranthene	15000	U
207-08-9	Benzo(k)Fluoranthene	15000	U
50-32-8	Benzo(a)Pyrene	15000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	15000	U
53-70-3	Dibenz(a,h)Anthracene	15000	U
191-24-2	Benzo(g,h,i)Perylene	15000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB215

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72340

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: BN0709G

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB216

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72341
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0709H
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	710000	U
111-44-4	bis(2-Chloroethyl) Ether	710000	U
95-57-8	2-Chlorophenol	710000	U
541-73-1	1,3-Dichlorobenzene	710000	U
106-46-7	1,4-Dichlorobenzene	710000	U
100-51-6	Benzyl Alcohol	710000	U
95-50-1	1,2-Dichlorobenzene	710000	U
95-48-7	2-Methylphenol	710000	U
108-60-1	bis(2-Chloroisopropyl) Ether	710000	U
106-44-5	4-Methylphenol	710000	U
621-64-7	N-Nitroso-Di-n-Propylamine	710000	U
67-72-1	Hexachloroethane	710000	U
98-95-3	Nitrobenzene	710000	U
78-59-1	Isophorone	710000	U
88-75-5	2-Nitrophenol	710000	U
105-67-9	2,4-Dimethylphenol	710000	U
65-85-0	Benzoic Acid	3400000	U
111-91-1	bis(2-Chloroethoxy) Methane	710000	U
120-83-2	2,4-Dichlorophenol	710000	U
120-82-1	1,2,4-Trichlorobenzene	710000	U
91-20-3	Naphthalene	710000	U
106-47-8	4-Chloroaniline	710000	U
87-68-3	Hexachlorobutadiene	710000	U
59-50-7	4-Chloro-3-Methylphenol	710000	U
91-57-6	2-Methylnaphthalene	710000	U
77-47-4	Hexachlorocyclopentadiene	710000	U
88-06-2	2,4,6-Trichlorophenol	710000	U
95-95-4	2,4,5-Trichlorophenol	230000	J
91-58-7	2-Chloronaphthalene	710000	U
88-74-4	2-Nitroaniline	3400000	U
131-11-3	Dimethyl Phthalate	710000	U
208-96-8	Acenaphthylene	710000	U
606-20-2	2,6-Dinitrotoluene	710000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB216

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72341
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0709H
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 HPC Cleanup: (Y/N) N pH: Dilution Factor: 50

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND UG/KG Q

99-09-2-----	3-Nitroaniline	3400000	U
83-32-9-----	Acenaphthene	710000	U
51-28-5-----	2,4-Dinitrophenol	3400000	U
100-02-7-----	4-Nitrophenol	3400000	U
132-64-9-----	Dibenzofuran	710000	U
121-14-2-----	2,4-Dinitrotoluene	710000	U
84-66-2-----	Diethylphthalate	710000	U
7005-72-3-----	4-Chlorophenyl-phenylether	710000	U
86-73-7-----	Fluorene	710000	U
100-01-6-----	4-Nitroaniline	3400000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	3400000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	710000	U
101-55-3-----	4-Bromophenyl-phenylether	710000	U
118-74-1-----	Hexachlorobenzene	710000	U
87-86-5-----	Pentachlorophenol	3200000	J
85-01-8-----	Phenanthrene	710000	U
120-12-7-----	Anthracene	710000	U
84-74-2-----	Di-n-Butylphthalate	710000	U
206-44-0-----	Fluoranthene	710000	U
129-00-0-----	Pyrene	710000	U
85-68-7-----	Butylbenzylphthalate	710000	U
91-94-1-----	3,3'-Dichlorobenzidine	1400000	U
56-55-3-----	Benzo(a)Anthracene	710000	U
218-01-9-----	Chrysene	710000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	710000	U
117-84-0-----	Di-n-Octyl Phthalate	710000	U
205-99-2-----	Benzo(b)Fluoranthene	710000	U
207-08-9-----	Benzo(k)Fluoranthene	710000	U
50-32-8-----	Benzo(a)Pyrene	710000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	710000	U
53-70-3-----	Dibenz(a,h)Anthracene	710000	U
191-24-2-----	Benzo(g,h,i)Perylene	710000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB216

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72341

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: BN0709H

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N

pH:

Dilution Factor: 50

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB217

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72342
 Sample wt/vol: 1.7 (g/mL) G Lab File ID: BN0709I
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 100

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	1200000	U
111-44-4-----	bis(2-Chloroethyl) Ether	1200000	U
95-57-8-----	2-Chlorophenol	1200000	U
541-73-1-----	1,3-Dichlorobenzene	1200000	U
106-46-7-----	1,4-Dichlorobenzene	1200000	U
100-51-6-----	Benzyl Alcohol	1200000	U
95-50-1-----	1,2-Dichlorobenzene	1200000	U
95-48-7-----	2-Methylphenol	1200000	U
108-60-1-----	bis(2-Chloroisopropyl) Ether	1200000	U
106-44-5-----	4-Methylphenol	1200000	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	1200000	U
67-72-1-----	Hexachloroethane	1200000	U
98-95-3-----	Nitrobenzene	1200000	U
78-59-1-----	Isophorone	1200000	U
88-75-5-----	2-Nitrophenol	1200000	U
105-67-9-----	2,4-Dimethylphenol	1200000	U
65-85-0-----	Benzoic Acid	5600000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	1200000	U
120-83-2-----	2,4-Dichlorophenol	1200000	U
120-82-1-----	1,2,4-Trichlorobenzene	1200000	U
91-20-3-----	Naphthalene	1200000	U
106-47-8-----	4-Chloroaniline	1200000	U
87-68-3-----	Hexachlorobutadiene	1200000	U
59-50-7-----	4-Chloro-3-Methylphenol	1200000	U
91-57-6-----	2-Methylnaphthalene	1200000	U
77-47-4-----	Hexachlorocyclopentadiene	1200000	U
88-06-2-----	2,4,6-Trichlorophenol	1200000	U
95-95-4-----	2,4,5-Trichlorophenol	5600000	U
91-58-7-----	2-Chloronaphthalene	1200000	U
88-74-4-----	2-Nitroaniline	5600000	U
131-11-3-----	Dimethyl Phthalate	1200000	U
208-96-8-----	Acenaphthylene	1200000	U
606-20-2-----	2,6-Dinitrotoluene	1200000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEYAB217

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: 72342
 Sample wt/vol: 1.7 (g/mL) G Lab File ID: BN0709I
 Level: (low/med) MED Date Received: 05/30/91
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 100

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	5600000	U
83-32-9	Acenaphthene	1200000	U
51-28-5	2,4-Dinitrophenol	5600000	U
100-02-7	4-Nitrophenol	5600000	U
132-64-9	Dibenzofuran	1200000	U
121-14-2	2,4-Dinitrotoluene	1200000	U
84-66-2	Diethylphthalate	1200000	U
7005-72-3	4-Chlorophenyl-phenylether	1200000	U
86-73-7	Fluorene	1200000	U
100-01-6	4-Nitroaniline	5600000	U
534-52-1	4,6-Dinitro-2-Methylphenol	5600000	U
86-30-6	N-Nitrosodiphenylamine (1)	1200000	U
101-55-3	4-Bromophenyl-phenylether	1200000	U
118-74-1	Hexachlorobenzene	1200000	U
87-86-5	Pentachlorophenol	10000000	
85-01-8	Phenanthrene	1200000	U
120-12-7	Anthracene	1200000	U
84-74-2	Di-n-Butylphthalate	1200000	U
206-44-0	Fluoranthene	1200000	U
129-00-0	Pyrene	1200000	U
85-68-7	Butylbenzylphthalate	1200000	U
91-94-1	3,3'-Dichlorobenzidine	2300000	U
56-55-3	Benzo(a)Anthracene	1200000	U
218-01-9	Chrysene	1200000	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200000	U
117-84-0	Di-n-Octyl Phthalate	1200000	U
205-99-2	Benzo(b)Fluoranthene	1200000	U
207-08-9	Benzo(k)Fluoranthene	1200000	U
50-32-8	Benzo(a)Pyrene	1200000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1200000	U
53-70-3	Dibenz(a,h)Anthracene	1200000	U
191-24-2	Benzo(g,h,i)Perylene	1200000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB217

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72342

Sample wt/vol: 1.7 (g/mL) G

Lab File ID: BN0709I

Level: (low/med) MED

Date Received: 05/30/91

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 100

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	18.17	2900000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: BN0709A

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl) Ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
100-51-6	Benzyl Alcohol	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
95-48-7	2-Methylphenol	20000	U
108-60-1	bis(2-Chloroisopropyl) Ether	20000	U
106-44-5	4-Methylphenol	20000	U
621-64-7	N-Nitroso-Di-n-Propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
65-85-0	Benzoic Acid	96000	U
111-91-1	bis(2-Chloroethoxy) Methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	20000	U
106-47-8	4-Chloroaniline	20000	U
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-Methylphenol	20000	U
91-57-6	2-Methylnaphthalene	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
95-95-4	2,4,5-Trichlorophenol	96000	U
91-58-7	2-Chloronaphthalene	20000	U
88-74-4	2-Nitroaniline	96000	U
131-11-3	Dimethyl Phthalate	20000	U
208-96-8	Acenaphthylene	20000	U
606-20-2	2,6-Dinitrotoluene	20000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: BN0709A
 Level: (low/med) MED Date Received:
 Moisture: not dec. dec. Date Extracted: 07/03/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	96000	U
83-32-9	Acenaphthene	20000	U
51-28-5	2,4-Dinitrophenol	96000	U
100-02-7	4-Nitrophenol	96000	U
132-64-9	Dibenzofuran	20000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
7005-72-3	4-Chlorophenyl-phenylether	20000	U
86-73-7	Fluorene	20000	U
100-01-6	4-Nitroaniline	96000	U
534-52-1	4,6-Dinitro-2-Methylphenol	96000	U
86-30-6	N-Nitrosodiphenylamine (1)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	96000	U
85-01-8	Phenanthrene	20000	U
120-12-7	Anthracene	20000	U
84-74-2	Di-n-Butylphthalate	20000	U
206-44-0	Fluoranthene	20000	U
129-00-0	Pyrene	20000	U
85-68-7	Butylbenzylphthalate	20000	U
91-94-1	3,3'-Dichlorobenzidine	40000	U
56-55-3	Benzo(a)Anthracene	20000	U
218-01-9	Chrysene	20000	U
117-81-7	bis(2-Ethylhexyl)phthalate	20000	U
117-84-0	Di-n-Octyl Phthalate	20000	U
205-99-2	Benzo(b)Fluoranthene	20000	U
207-08-9	Benzo(k)Fluoranthene	20000	U
50-32-8	Benzo(a)Pyrene	20000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	20000	U
53-70-3	Dibenz(a,h)Anthracene	20000	U
191-24-2	Benzo(g,h,i)Perylene	20000	U

(1) - Cannot be separated from Diphenylamine

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

Client Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: BN0709A

Level: (low/med) MED

Date Received:

% Moisture: not dec. dec.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

#PC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS2

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS2

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: BN0710H

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 07/10/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/11/91

IPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl) Ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
100-51-6	Benzyl Alcohol	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
95-48-7	2-Methylphenol	20000	U
108-60-1	bis(2-Chloroisopropyl) Ether	20000	U
106-44-5	4-Methylphenol	20000	U
621-64-7	N-Nitroso-Di-n-Propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
65-85-0	Benzoic Acid	96000	U
111-91-1	bis(2-Chloroethoxy) Methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	20000	U
106-47-8	4-Chloroaniline	20000	U
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-Methylphenol	20000	U
91-57-6	2-Methylnaphthalene	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
95-95-4	2,4,5-Trichlorophenol	96000	U
91-58-7	2-Chloronaphthalene	20000	U
88-74-4	2-Nitroaniline	96000	U
131-11-3	Dimethyl Phthalate	20000	U
208-96-8	Acenaphthylene	20000	U
606-20-2	2,6-Dinitrotoluene	20000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS2

Name: WEYERHAEUSER Contract: MCCOURT
 Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKS2
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: BN0710H
 Level: (low/med) MED Date Received:
 Moisture: not dec. dec. Date Extracted: 07/10/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/11/91
 SPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	96000	U
83-32-9	Acenaphthene	20000	U
51-28-5	2,4-Dinitrophenol	96000	U
100-02-7	4-Nitrophenol	96000	U
132-64-9	Dibenzofuran	20000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
7005-72-3	4-Chlorophenyl-phenylether	20000	U
86-73-7	Fluorene	20000	U
100-01-6	4-Nitroaniline	96000	U
534-52-1	4,6-Dinitro-2-Methylphenol	96000	U
86-30-6	N-Nitrosodiphenylamine (1)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	96000	U
85-01-8	Phenanthrene	20000	U
120-12-7	Anthracene	20000	U
84-74-2	Di-n-Butylphthalate	20000	U
206-44-0	Fluoranthene	20000	U
129-00-0	Pyrene	20000	U
85-68-7	Butylbenzylphthalate	20000	U
91-94-1	3,3'-Dichlorobenzidine	40000	U
56-55-3	Benzo(a)Anthracene	20000	U
218-01-9	Chrysene	20000	U
117-81-7	bis(2-Ethylhexyl)phthalate	20000	U
117-84-0	Di-n-Octyl Phthalate	20000	U
205-99-2	Benzo(b)Fluoranthene	20000	U
207-08-9	Benzo(k)Fluoranthene	20000	U
50-32-8	Benzo(a)Pyrene	20000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	20000	U
53-70-3	Dibenz(a,h)Anthracene	20000	U
191-24-2	Benzo(g,h,i)Perylene	20000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS2

Lab Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS2

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: BN0710H

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 07/10/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/11/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

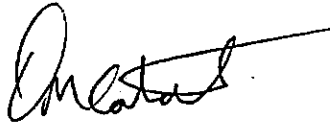
 Weyerhaeuser

Date August 21, 1991
From Dennis Catalano
Location Tacoma, WTC 2F25
Subject SR# 06483 Aberdeen Sawmill Soil Cleanup - Penta/NP-1

To Mick McCourt WTC 2H4

Attached are the results from the samples you requested we analyze for BNAs. If you have any questions about the results please contact me at 924-6521.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.



Dennis Catalano
Analytical Chemistry Laboratories

Attachment

[REDACTED]

FLAG QUALIFIERS DESCRIPTION

- U Indicates compound was analyzed for but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds or when the result is less than the quantitation limit.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B Indicates the compound was found in the blank as well as the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument.
- X This flag is assigned by the computer when the program has been manually adjusted by the operator. It has no significance to the number itself.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB301

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76298
 Sample wt/vol: 1.7 (g/mL) G Lab File ID: BN10815G
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 36 dec. Date Extracted: 08/15/91
 Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
 Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	18000	U
111-44-4	bis(2-Chloroethyl) Ether	18000	U
95-57-8	2-Chlorophenol	18000	U
541-73-1	1,3-Dichlorobenzene	18000	U
106-46-7	1,4-Dichlorobenzene	18000	U
100-51-6	Benzyl Alcohol	18000	U
95-50-1	1,2-Dichlorobenzene	18000	U
95-48-7	2-Methylphenol	18000	U
108-60-1	bis(2-Chloroisopropyl) Ether	18000	U
106-44-5	4-Methylphenol	18000	U
621-64-7	N-Nitroso-Di-n-Propylamine	18000	U
67-72-1	Hexachloroethane	18000	U
98-95-3	Nitrobenzene	18000	U
78-59-1	Isophorone	18000	U
88-75-5	2-Nitrophenol	18000	U
105-67-9	2,4-Dimethylphenol	18000	U
65-85-0	Benzoic Acid	88000	U
111-91-1	bis(2-Chloroethoxy) Methane	18000	U
120-83-2	2,4-Dichlorophenol	18000	U
120-82-1	1,2,4-Trichlorobenzene	18000	U
91-20-3	Naphthalene	18000	U
106-47-8	4-Chloroaniline	18000	U
87-68-3	Hexachlorobutadiene	18000	U
59-50-7	4-Chloro-3-Methylphenol	18000	U
91-57-6	2-Methylnaphthalene	18000	U
77-47-4	Hexachlorocyclopentadiene	18000	U
88-06-2	2,4,6-Trichlorophenol	18000	U
95-95-4	2,4,5-Trichlorophenol	88000	U
91-58-7	2-Chloronaphthalene	18000	U
88-74-4	2-Nitroaniline	88000	U
131-11-3	Dimethyl Phthalate	18000	U
208-96-8	Acenaphthylene	18000	U
606-20-2	2,6-Dinitrotoluene	18000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB301

b Name: WEYERHAEUSER

Method: 8270

b Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76298

Sample wt/vol: 1.7 (g/mL) G

Lab File ID: BN10815G

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 36 dec.

Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/16/91

GC Cleanup: (Y/N) N pH: 6.1

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	88000	U
83-32-9	Acenaphthene	18000	U
51-28-5	2,4-Dinitrophenol	88000	U
100-02-7	4-Nitrophenol	88000	U
132-64-9	Dibenzofuran	18000	U
121-14-2	2,4-Dinitrotoluene	18000	U
84-66-2	Diethylphthalate	18000	U
7005-72-3	4-Chlorophenyl-phenylether	18000	U
86-73-7	Fluorene	18000	U
100-01-6	4-Nitroaniline	88000	U
534-52-1	4,6-Dinitro-2-Methylphenol	88000	U
86-30-6	N-Nitrosodiphenylamine (1)	18000	U
101-55-3	4-Bromophenyl-phenylether	18000	U
118-74-1	Hexachlorobenzene	18000	U
87-86-5	Pentachlorophenol	560000	E
85-01-8	Phenanthrene	18000	U
120-12-7	Anthracene	18000	U
84-74-2	Di-n-Butylphthalate	18000	U
206-44-0	Fluoranthene	18000	U
129-00-0	Pyrene	18000	U
85-68-7	Butylbenzylphthalate	18000	U
91-94-1	3,3'-Dichlorobenzidine	36000	U
56-55-3	Benzo(a)Anthracene	18000	U
218-01-9	Chrysene	18000	U
117-81-7	bis(2-Ethylhexyl)phthalate	18000	U
117-84-0	Di-n-Octyl Phthalate	18000	U
205-99-2	Benzo(b)Fluoranthene	18000	U
207-08-9	Benzo(k)Fluoranthene	18000	U
50-32-8	Benzo(a)Pyrene	18000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	18000	U
53-70-3	Dibenz(a,h)Anthracene	18000	U
191-24-2	Benzo(g,h,i)Perylene	18000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB301

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76298
 Sample wt/vol: 1.7 (g/mL) G Lab File ID: BN10815G
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 36 dec. Date Extracted: 08/15/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
 Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.47	43000	JX
2.	UNKNOWN	32.92	12000	JX
3.	UNKNOWN	33.24	14000	JX
4. 3268-87-9	DIBENZO[B,E][1,4]DIOXIN, OCT	36.72	39000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB301RE

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76298RE
 Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10815H
 Temp: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 36 dec. Date Extracted: 08/15/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
 Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	180000	U
111-44-4	bis(2-Chloroethyl) Ether	180000	U
95-57-8	2-Chlorophenol	180000	U
541-73-1	1,3-Dichlorobenzene	180000	U
106-46-7	1,4-Dichlorobenzene	180000	U
100-51-6	Benzyl Alcohol	180000	U
95-50-1	1,2-Dichlorobenzene	180000	U
95-48-7	2-Methylphenol	180000	U
108-60-1	bis(2-Chloroisopropyl) Ether	180000	U
106-44-5	4-Methylphenol	180000	U
621-64-7	N-Nitroso-Di-n-Propylamine	180000	U
67-72-1	Hexachloroethane	180000	U
98-95-3	Nitrobenzene	180000	U
78-59-1	Isophorone	180000	U
88-75-5	2-Nitrophenol	180000	U
105-67-9	2,4-Dimethylphenol	180000	U
65-85-0	Benzoic Acid	880000	U
111-91-1	bis(2-Chloroethoxy)Methane	180000	U
120-83-2	2,4-Dichlorophenol	180000	U
120-82-1	1,2,4-Trichlorobenzene	180000	U
91-20-3	Naphthalene	180000	U
106-47-8	4-Chloroaniline	180000	U
87-68-3	Hexachlorobutadiene	180000	U
59-50-7	4-Chloro-3-Methylphenol	180000	U
91-57-6	2-Methylnaphthalene	180000	U
77-47-4	Hexachlorocyclopentadiene	180000	U
88-06-2	2,4,6-Trichlorophenol	180000	U
95-95-4	2,4,5-Trichlorophenol	880000	U
91-58-7	2-Chloronaphthalene	180000	U
88-74-4	2-Nitroaniline	880000	U
131-11-3	Dimethyl Phthalate	180000	U
208-96-8	Acenaphthylene	180000	U
606-20-2	2,6-Dinitrotoluene	180000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB301RE

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76298RE

Sample wt/vol: 1.7 (g/mL) G

Lab File ID: 2BN10815H

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 36 dec.

Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/16/91

PC Cleanup: (Y/N) N

pH: 6.1

Dilution Factor: 10.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	880000	U
83-32-9-----	Acenaphthene	180000	U
51-28-5-----	2,4-Dinitrophenol	880000	U
100-02-7-----	4-Nitrophenol	880000	U
132-64-9-----	Dibenzofuran	180000	U
121-14-2-----	2,4-Dinitrotoluene	180000	U
84-66-2-----	Diethylphthalate	180000	U
7005-72-3-----	4-Chlorophenyl-phenylether	180000	U
86-73-7-----	Fluorene	180000	U
100-01-6-----	4-Nitroaniline	880000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	880000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	180000	U
101-55-3-----	4-Bromophenyl-phenylether	180000	U
118-74-1-----	Hexachlorobenzene	180000	U
87-86-5-----	Pentachlorophenol	370000	J
85-01-8-----	Phenanthrene	180000	U
120-12-7-----	Anthracene	180000	U
84-74-2-----	Di-n-Butylphthalate	180000	U
206-44-0-----	Fluoranthene	180000	U
129-00-0-----	Pyrene	180000	U
85-68-7-----	Butylbenzylphthalate	180000	U
91-94-1-----	3,3'-Dichlorobenzidine	360000	U
56-55-3-----	Benzo(a)Anthracene	180000	U
218-01-9-----	Chrysene	180000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	180000	U
117-84-0-----	Di-n-Octyl Phthalate	180000	U
205-99-2-----	Benzo(b)Fluoranthene	180000	U
207-08-9-----	Benzo(k)Fluoranthene	180000	U
50-32-8-----	Benzo(a)Pyrene	180000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	180000	U
53-70-3-----	Dibenz(a,h)Anthracene	180000	U
191-24-2-----	Benzo(g,h,i)Perylene	180000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB301RE

b Name: WEYERHAEUSER Method: 8270
b Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
Matrix: (soil/water) SOIL Lab Sample ID: 76298RE
Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10815H
Level: (low/med) MED Date Received: 08/15/91
Moisture: not dec. 36 dec. Date Extracted: 08/15/91
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
C Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 10.0

Number TICs found: 0
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB302

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76299
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10815D
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 31 dec. Date Extracted: 08/15/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/91
 Cleanup: (Y/N) Y pH: 5.7 Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	22000	U
111-44-4	bis(2-Chloroethyl) Ether	22000	U
95-57-8	2-Chlorophenol	22000	U
541-73-1	1,3-Dichlorobenzene	22000	U
106-46-7	1,4-Dichlorobenzene	22000	U
100-51-6	Benzyl Alcohol	22000	U
95-50-1	1,2-Dichlorobenzene	22000	U
95-48-7	2-Methylphenol	22000	U
108-60-1	bis(2-Chloroisopropyl) Ether	22000	U
106-44-5	4-Methylphenol	22000	U
621-64-7	N-Nitroso-Di-n-Propylamine	22000	U
67-72-1	Hexachloroethane	22000	U
98-95-3	Nitrobenzene	22000	U
78-59-1	Isophorone	22000	U
88-75-5	2-Nitrophenol	22000	U
105-67-9	2,4-Dimethylphenol	22000	U
65-85-0	Benzoic Acid	110000	U
111-91-1	bis(2-Chloroethoxy) Methane	22000	U
120-83-2	2,4-Dichlorophenol	22000	U
120-82-1	1,2,4-Trichlorobenzene	22000	U
91-20-3	Naphthalene	22000	U
106-47-8	4-Chloroaniline	22000	U
87-68-3	Hexachlorobutadiene	22000	U
59-50-7	4-Chloro-3-Methylphenol	22000	U
91-57-6	2-Methylnaphthalene	22000	U
77-47-4	Hexachlorocyclopentadiene	22000	U
88-06-2	2,4,6-Trichlorophenol	22000	U
95-95-4	2,4,5-Trichlorophenol	200000	U
91-58-7	2-Chloronaphthalene	22000	U
88-74-4	2-Nitroaniline	110000	U
131-11-3	Dimethyl Phthalate	22000	U
208-96-8	Acenaphthylene	22000	U
606-20-2	2,6-Dinitrotoluene	22000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB302

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76299
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10815D
 Rel: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 31 dec. Date Extracted: 08/15/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/91
 Cleanup: (Y/N) Y pH: 5.7 Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION	Q
99-09-2	3-Nitroaniline	110000	U
83-32-9	Acenaphthene	22000	U
51-28-5	2,4-Dinitrophenol	110000	U
100-02-7	4-Nitrophenol	110000	U
132-64-9	Dibenzofuran	22000	U
121-14-2	2,4-Dinitrotoluene	22000	U
84-66-2	Diethylphthalate	22000	U
7005-72-3	4-Chlorophenyl-phenylether	22000	U
86-73-7	Fluorene	22000	U
100-01-6	4-Nitroaniline	110000	U
534-52-1	4,6-Dinitro-2-Methylphenol	110000	U
86-30-6	N-Nitrosodiphenylamine (1)	22000	U
101-55-3	4-Bromophenyl-phenylether	22000	U
118-74-1	Hexachlorobenzene	22000	U
87-86-5	Pentachlorophenol	1900000	E
85-01-8	Phenanthrene	22000	U
120-12-7	Anthracene	22000	U
84-74-2	Di-n-Butylphthalate	22000	U
206-44-0	Fluoranthene	22000	U
129-00-0	Pyrene	22000	U
85-68-7	Butylbenzylphthalate	22000	U
91-94-1	3,3'-Dichlorobenzidine	44000	U
56-55-3	Benzo(a) Anthracene	22000	U
218-01-9	Chrysene	22000	U
117-81-7	bis(2-Ethylhexyl)phthalate	22000	U
117-84-0	Di-n-Octyl Phthalate	22000	U
205-99-2	Benzo(b) Fluoranthene	22000	U
207-08-9	Benzo(k) Fluoranthene	22000	U
50-32-8	Benzo(a) Pyrene	22000	U
193-39-5	Indeno(1,2,3-cd) Pyrene	22000	U
53-70-3	Dibenz(a,h) Anthracene	22000	U
191-24-2	Benzo(g,h,i) Perylene	22000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB302

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76299

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: 2BN10815D

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 31 dec.

Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/15/91

PC Cleanup: (Y/N) Y pH: 5.7

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 8

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	18.52	220000	JX
2. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	21.94	25000	JX
3. 1438-62-6	1-NAPHTHALENEPROPANOL, .ALPH	25.39	18000	JX
4.	UNKNOWN	26.01	9900	JX
5.	UNKNOWN	34.49	26000	JX
6.	UNKNOWN	35.62	23000	JX
7.	UNKNOWN	36.26	30000	JX
8. 3268-87-9	DIBENZO[B,E][1,4]DIOXIN, OCT	36.71	40000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB302RE

Lab Name: WEYERHAEUSER Method: 8270
 Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76299RE
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10815I
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 31 dec. Date Extracted: 08/15/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
 PCB Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	220000	U
111-44-4-----	bis(2-Chloroethyl)Ether	220000	U
95-57-8-----	2-Chlorophenol	220000	U
541-73-1-----	1,3-Dichlorobenzene	220000	U
106-46-7-----	1,4-Dichlorobenzene	220000	U
100-51-6-----	Benzyl Alcohol	220000	U
95-50-1-----	1,2-Dichlorobenzene	220000	U
95-48-7-----	2-Methylphenol	220000	U
108-60-1-----	bis(2-Chloroisopropyl)Ether	220000	U
106-44-5-----	4-Methylphenol	220000	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	220000	U
67-72-1-----	Hexachloroethane	220000	U
98-95-3-----	Nitrobenzene	220000	U
78-59-1-----	Isophorone	220000	U
88-75-5-----	2-Nitrophenol	220000	U
105-67-9-----	2,4-Dimethylphenol	220000	U
65-85-0-----	Benzoic Acid	1100000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	220000	U
120-83-2-----	2,4-Dichlorophenol	220000	U
120-82-1-----	1,2,4-Trichlorobenzene	220000	U
91-20-3-----	Naphthalene	220000	U
106-47-8-----	4-Chloroaniline	220000	U
87-68-3-----	Hexachlorobutadiene	220000	U
59-50-7-----	4-Chloro-3-Methylphenol	220000	U
91-57-6-----	2-Methylnaphthalene	220000	U
77-47-4-----	Hexachlorocyclopentadiene	220000	U
88-06-2-----	2,4,6-Trichlorophenol	220000	U
95-95-4-----	2,4,5-Trichlorophenol	120000	J
91-58-7-----	2-Chloronaphthalene	220000	U
88-74-4-----	2-Nitroaniline	1100000	U
131-11-3-----	Dimethyl Phthalate	220000	U
208-96-8-----	Acenaphthylene	220000	U
606-20-2-----	2,6-Dinitrotoluene	220000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB302RE

Lab Name: WEYERHAEUSER Method: 8270
 Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76299RE
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10815I
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 31 dec. Date Extracted: 08/15/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
 PC Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1100000	U
83-32-9	Acenaphthene	220000	U
51-28-5	2,4-Dinitrophenol	1100000	U
100-02-7	4-Nitrophenol	1100000	U
132-64-9	Dibenzofuran	220000	U
121-14-2	2,4-Dinitrotoluene	220000	U
84-66-2	Diethylphthalate	220000	U
7005-72-3	4-Chlorophenyl-phenylether	220000	U
86-73-7	Fluorene	220000	U
100-01-6	4-Nitroaniline	1100000	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100000	U
86-30-6	N-Nitrosodiphenylamine (1)	220000	U
101-55-3	4-Bromophenyl-phenylether	220000	U
118-74-1	Hexachlorobenzene	220000	U
87-86-5	Pentachlorophenol	2300000	U
85-01-8	Phenanthrene	220000	U
120-12-7	Anthracene	220000	U
84-74-2	Di-n-Butylphthalate	220000	U
206-44-0	Fluoranthene	220000	U
129-00-0	Pyrene	220000	U
85-68-7	Butylbenzylphthalate	220000	U
91-94-1	3,3'-Dichlorobenzidine	440000	U
56-55-3	Benzo(a)Anthracene	220000	U
218-01-9	Chrysene	220000	U
117-81-7	bis(2-Ethylhexyl)phthalate	220000	U
117-84-0	Di-n-Octyl Phthalate	220000	U
205-99-2	Benzo(b)Fluoranthene	220000	U
207-08-9	Benzo(k)Fluoranthene	220000	U
50-32-8	Benzo(a)Pyrene	220000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	220000	U
53-70-3	Dibenz(a,h)Anthracene	220000	U
191-24-2	Benzo(g,h,i)Perylene	220000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB302RE

Company Name: WEYERHAEUSER Method: 8270
Company Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
Matrix: (soil/water) SOIL Lab Sample ID: 76299RE
Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10815I
Level: (low/med) MED Date Received: 08/15/91
Moisture: not dec. 31 dec. Date Extracted: 08/15/91
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 10.0

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB303

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76300

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: 2BN10820A

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 11 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	64000	U
111-44-4	bis(2-Chloroethyl) Ether	64000	U
95-57-8	2-Chlorophenol	64000	U
541-73-1	1,3-Dichlorobenzene	64000	U
106-46-7	1,4-Dichlorobenzene	64000	U
100-51-6	Benzyl Alcohol	64000	U
95-50-1	1,2-Dichlorobenzene	64000	U
95-48-7	2-Methylphenol	64000	U
108-60-1	bis(2-Chloroisopropyl) Ether	64000	U
106-44-5	4-Methylphenol	64000	U
621-64-7	N-Nitroso-Di-n-Propylamine	64000	U
67-72-1	Hexachloroethane	64000	U
98-95-3	Nitrobenzene	64000	U
78-59-1	Isophorone	64000	U
88-75-5	2-Nitrophenol	64000	U
105-67-9	2,4-Dimethylphenol	64000	U
65-85-0	Benzoic Acid	310000	U
111-91-1	bis(2-Chloroethoxy) Methane	64000	U
120-83-2	2,4-Dichlorophenol	64000	U
120-82-1	1,2,4-Trichlorobenzene	64000	U
91-20-3	Naphthalene	64000	U
106-47-8	4-Chloroaniline	64000	U
87-68-3	Hexachlorobutadiene	64000	U
59-50-7	4-Chloro-3-Methylphenol	64000	U
91-57-6	2-Methylnaphthalene	64000	U
77-47-4	Hexachlorocyclopentadiene	64000	U
88-06-2	2,4,6-Trichlorophenol	64000	U
95-95-4	2,4,5-Trichlorophenol	310000	U
91-58-7	2-Chloronaphthalene	64000	U
88-74-4	2-Nitroaniline	310000	U
131-11-3	Dimethyl Phthalate	64000	U
208-96-8	Acenaphthylene	64000	U
606-20-2	2,6-Dinitrotoluene	64000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB303

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76300

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: 2BN10820A

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 11 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2-----	3-Nitroaniline	310000	U
83-32-9-----	Acenaphthene	64000	U
51-28-5-----	2,4-Dinitrophenol	310000	U
100-02-7-----	4-Nitrophenol	310000	U
132-64-9-----	Dibenzofuran	64000	U
121-14-2-----	2,4-Dinitrotoluene	64000	U
84-66-2-----	Diethylphthalate	64000	U
7005-72-3-----	4-Chlorophenyl-phenylether	64000	U
86-73-7-----	Fluorene	64000	U
100-01-6-----	4-Nitroaniline	310000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	310000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	64000	U
101-55-3-----	4-Bromophenyl-phenylether	64000	U
118-74-1-----	Hexachlorobenzene	64000	U
87-86-5-----	Pentachlorophenol	190000	J
85-01-8-----	Phenanthrene	64000	U
120-12-7-----	Anthracene	64000	U
84-74-2-----	Di-n-Butylphthalate	64000	U
206-44-0-----	Fluoranthene	64000	U
129-00-0-----	Pyrene	64000	U
85-68-7-----	Butylbenzylphthalate	64000	U
91-94-1-----	3,3'-Dichlorobenzidine	130000	U
56-55-3-----	Benzo(a)Anthracene	64000	U
218-01-9-----	Chrysene	64000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	64000	U
117-84-0-----	Di-n-Octyl Phthalate	64000	U
205-99-2-----	Benzo(b)Fluoranthene	64000	U
207-08-9-----	Benzo(k)Fluoranthene	64000	U
50-32-8-----	Benzo(a)Pyrene	64000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	64000	U
53-70-3-----	Dibenz(a,h)Anthracene	64000	U
191-24-2-----	Benzo(g,h,i)Perylene	64000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB303

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76300

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: 2BN10820A

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 11 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 4.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB304

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76301
 Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10820B
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 13 dec. Date Extracted: 08/19/91
 Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	13000	U
111-44-4	bis(2-Chloroethyl) Ether	13000	U
95-57-8	2-Chlorophenol	13000	U
541-73-1	1,3-Dichlorobenzene	13000	U
106-46-7	1,4-Dichlorobenzene	13000	U
100-51-6	Benzyl Alcohol	13000	U
95-50-1	1,2-Dichlorobenzene	13000	U
95-48-7	2-Methylphenol	13000	U
108-60-1	bis(2-Chloroisopropyl) Ether	13000	U
106-44-5	4-Methylphenol	13000	U
621-64-7	N-Nitroso-Di-n-Propylamine	13000	U
67-72-1	Hexachloroethane	13000	U
98-95-3	Nitrobenzene	13000	U
78-59-1	Isophorone	13000	U
88-75-5	2-Nitrophenol	13000	U
105-67-9	2,4-Dimethylphenol	13000	U
65-85-0	Benzoic Acid	65000	U
111-91-1	bis(2-Chloroethoxy) Methane	13000	U
120-83-2	2,4-Dichlorophenol	13000	U
120-82-1	1,2,4-Trichlorobenzene	13000	U
91-20-3	Naphthalene	13000	U
106-47-8	4-Chloroaniline	13000	U
87-68-3	Hexachlorobutadiene	13000	U
59-50-7	4-Chloro-3-Methylphenol	13000	U
91-57-6	2-Methylnaphthalene	13000	U
77-47-4	Hexachlorocyclopentadiene	13000	U
88-06-2	2,4,6-Trichlorophenol	14000	J
95-95-4	2,4,5-Trichlorophenol	14000	J
91-58-7	2-Chloronaphthalene	13000	U
88-74-4	2-Nitroaniline	65000	U
131-11-3	Dimethyl Phthalate	13000	U
208-96-8	Acenaphthylene	13000	U
606-20-2	2,6-Dinitrotoluene	13000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB304

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76301

Sample wt/vol: 1.7 (g/mL) G

Lab File ID: 2BN10820B

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 13 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2-----	3-Nitroaniline	65000	U
83-32-9-----	Acenaphthene	13000	U
51-28-5-----	2,4-Dinitrophenol	65000	U
100-02-7-----	4-Nitrophenol	65000	U
132-64-9-----	Dibenzofuran	13000	U
121-14-2-----	2,4-Dinitrotoluene	13000	U
84-66-2-----	Diethylphthalate	13000	U
7005-72-3-----	4-Chlorophenyl-phenylether	13000	U
86-73-7-----	Fluorene	13000	U
100-01-6-----	4-Nitroaniline	65000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	65000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	13000	U
101-55-3-----	4-Bromophenyl-phenylether	13000	U
118-74-1-----	Hexachlorobenzene	13000	U
87-86-5-----	Pentachlorophenol	670000	E
85-01-8-----	Phenanthrene	13000	U
120-12-7-----	Anthracene	13000	U
84-74-2-----	Di-n-Butylphthalate	13000	U
206-44-0-----	Fluoranthene	13000	U
129-00-0-----	Pyrene	13000	U
85-68-7-----	Butylbenzylphthalate	13000	U
91-94-1-----	3,3'-Dichlorobenzidine	27000	U
56-55-3-----	Benzo(a)Anthracene	13000	U
218-01-9-----	Chrysene	13000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	13000	U
117-84-0-----	Di-n-Octyl Phthalate	13000	U
205-99-2-----	Benzo(b)Fluoranthene	13000	U
207-08-9-----	Benzo(k)Fluoranthene	13000	U
50-32-8-----	Benzo(a)Pyrene	13000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	13000	U
53-70-3-----	Dibenz(a,h)Anthracene	13000	U
191-24-2-----	Benzo(g,h,i)Perylene	13000	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WAB304

b Name: WEYERHAEUSER Method: 8270
 b Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76301
 Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10820B
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 13 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 3 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 609-19-8	PHENOL, 3,4,5-TRICHLORO-	14.99	6900	JX
2. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.20	18000	JX
3. 3268-87-9	DIBENZO[B,E][1,4]DIOXIN, OCT	36.41	5500	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB304DL

Name: WEYERHAEUSER

Method: 8270

Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76301DL

Sample wt/vol: 1.7 (g/mL) G

Lab File ID: 2BN10820C

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 13 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

GC Cleanup: (Y/N) N

pH:

Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	110000	U
111-44-4-----bis(2-Chloroethyl) Ether	110000	U
95-57-8-----2-Chlorophenol	110000	U
541-73-1-----1,3-Dichlorobenzene	110000	U
106-46-7-----1,4-Dichlorobenzene	110000	U
100-51-6-----Benzyl Alcohol	110000	U
95-50-1-----1,2-Dichlorobenzene	110000	U
95-48-7-----2-Methylphenol	110000	U
108-60-1-----bis(2-Chloroisopropyl) Ether	110000	U
106-44-5-----4-Methylphenol	110000	U
621-64-7-----N-Nitroso-Di-n-Propylamine	110000	U
67-72-1-----Hexachloroethane	110000	U
98-95-3-----Nitrobenzene	110000	U
78-59-1-----Isophorone	110000	U
88-75-5-----2-Nitrophenol	110000	U
105-67-9-----2,4-Dimethylphenol	110000	U
65-85-0-----Benzoic Acid	520000	U
111-91-1-----bis(2-Chloroethoxy) Methane	110000	U
120-83-2-----2,4-Dichlorophenol	110000	U
120-82-1-----1,2,4-Trichlorobenzene	110000	U
91-20-3-----Naphthalene	110000	U
106-47-8-----4-Chloroaniline	110000	U
87-68-3-----Hexachlorobutadiene	110000	U
59-50-7-----4-Chloro-3-Methylphenol	110000	U
91-57-6-----2-Methylnaphthalene	110000	U
77-47-4-----Hexachlorocyclopentadiene	110000	U
88-06-2-----2,4,6-Trichlorophenol	110000	U
95-95-4-----2,4,5-Trichlorophenol	520000	U
91-58-7-----2-Chloronaphthalene	110000	U
88-74-4-----2-Nitroaniline	520000	U
131-11-3-----Dimethyl Phthalate	110000	U
208-96-8-----Acenaphthylene	110000	U
606-20-2-----2,6-Dinitrotoluene	110000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB304DL

b Name: WEYERHAEUSER Method: 8270
b Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
Matrix: (soil/water) SOIL Lab Sample ID: 76301DL
Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10820C
Level: (low/med) MED Date Received: 08/15/91
Moisture: not dec. 13 dec. Date Extracted: 08/19/91
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
Cleanup: (Y/N) N pH: Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	520000	U
83-32-9	Acenaphthene	110000	U
51-28-5	2,4-Dinitrophenol	520000	U
100-02-7	4-Nitrophenol	520000	U
132-64-9	Dibenzofuran	110000	U
121-14-2	2,4-Dinitrotoluene	110000	U
84-66-2	Diethylphthalate	110000	U
7005-72-3	4-Chlorophenyl-phenylether	110000	U
86-73-7	Fluorene	110000	U
100-01-6	4-Nitroaniline	520000	U
534-52-1	4,6-Dinitro-2-Methylphenol	520000	U
86-30-6	N-Nitrosodiphenylamine (1)	110000	U
101-55-3	4-Bromophenyl-phenylether	110000	U
118-74-1	Hexachlorobenzene	110000	U
87-86-5	Pentachlorophenol	680000	D
85-01-8	Phenanthrene	110000	U
120-12-7	Anthracene	110000	U
84-74-2	Di-n-Butylphthalate	110000	U
206-44-0	Fluoranthene	110000	U
129-00-0	Pyrene	110000	U
85-68-7	Butylbenzylphthalate	110000	U
91-94-1	3,3'-Dichlorobenzidine	210000	U
56-55-3	Benzo(a)Anthracene	110000	U
218-01-9	Chrysene	110000	U
117-81-7	bis(2-Ethylhexyl)phthalate	110000	U
117-84-0	Di-n-Octyl Phthalate	110000	U
205-99-2	Benzo(b)Fluoranthene	110000	U
207-08-9	Benzo(k)Fluoranthene	110000	U
50-32-8	Benzo(a)Pyrene	110000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	110000	U
53-70-3	Dibenz(a,h)Anthracene	110000	U
191-24-2	Benzo(g,h,i)Perylene	110000	U

(1) - Cannot be separated from Diphenylamine

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB304DL

Lab Name: WEYERHAEUSER Method: 8270
 Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76301DL
 Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10820C
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 13 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 HPC Cleanup: (Y/N) N pH: Dilution Factor: 8.0

Number TICs found: 0 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB305

b Name: WEYERHAEUSER

Method: 8270

b Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76302

Sample wt/vol: 1.7 (g/mL) G

Lab File ID: 2BN10815E

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 45 dec.

Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/15/91

GC Cleanup: (Y/N) N

pH: 5.5

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	21000	U
111-44-4	bis(2-Chloroethyl) Ether	21000	U
95-57-8	2-Chlorophenol	21000	U
541-73-1	1,3-Dichlorobenzene	21000	U
106-46-7	1,4-Dichlorobenzene	21000	U
100-51-6	Benzyl Alcohol	21000	U
95-50-1	1,2-Dichlorobenzene	21000	U
95-48-7	2-Methylphenol	21000	U
108-60-1	bis(2-Chloroisopropyl) Ether	21000	U
106-44-5	4-Methylphenol	21000	U
621-64-7	N-Nitroso-Di-n-Propylamine	21000	U
67-72-1	Hexachloroethane	21000	U
98-95-3	Nitrobenzene	21000	U
78-59-1	Isophorone	21000	U
88-75-5	2-Nitrophenol	21000	U
105-67-9	2,4-Dimethylphenol	21000	U
65-85-0	Benzoic Acid	100000	U
111-91-1	bis(2-Chloroethoxy) Methane	21000	U
120-83-2	2,4-Dichlorophenol	21000	U
120-82-1	1,2,4-Trichlorobenzene	21000	U
91-20-3	Naphthalene	21000	U
106-47-8	4-Chloroaniline	21000	U
87-68-3	Hexachlorobutadiene	21000	U
59-50-7	4-Chloro-3-Methylphenol	21000	U
91-57-6	2-Methylnaphthalene	21000	U
77-47-4	Hexachlorocyclopentadiene	21000	U
88-06-2	2,4,6-Trichlorophenol	21000	U
95-95-4	2,4,5-Trichlorophenol	63000	J
91-58-7	2-Chloronaphthalene	21000	U
88-74-4	2-Nitroaniline	100000	U
131-11-3	Dimethyl Phthalate	21000	U
208-96-8	Acenaphthylene	21000	U
606-20-2	2,6-Dinitrotoluene	21000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB305

Lab Name: WEYERHAEUSER Method: 8270

Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

Matrix: (soil/water) SOIL Lab Sample ID: 76302

Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10815E

Level: (low/med) MED Date Received: 08/15/91

Moisture: not dec. 45 dec. Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/91

PC Cleanup: (Y/N) N pH: 5.5 Dilution Factor: 1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	100000	U
83-32-9	Acenaphthene	21000	U
51-28-5	2,4-Dinitrophenol	100000	U
100-02-7	4-Nitrophenol	100000	U
132-64-9	Dibenzofuran	21000	U
121-14-2	2,4-Dinitrotoluene	21000	U
84-66-2	Diethylphthalate	21000	U
7005-72-3	4-Chlorophenyl-phenylether	21000	U
86-73-7	Fluorene	21000	U
100-01-6	4-Nitroaniline	100000	U
534-52-1	4,6-Dinitro-2-Methylphenol	100000	U
86-30-6	N-Nitrosodiphenylamine (1)	21000	U
101-55-3	4-Bromophenyl-phenylether	21000	U
118-74-1	Hexachlorobenzene	21000	U
87-86-5	Pentachlorophenol	1300000	E
85-01-8	Phenanthrene	21000	U
120-12-7	Anthracene	21000	U
84-74-2	Di-n-Butylphthalate	21000	U
206-44-0	Fluoranthene	21000	U
129-00-0	Pyrene	21000	U
85-68-7	Butylbenzylphthalate	21000	U
91-94-1	3,3'-Dichlorobenzidine	42000	U
56-55-3	Benzo(a)Anthracene	21000	U
218-01-9	Chrysene	21000	U
117-81-7	bis(2-Ethylhexyl)phthalate	21000	U
117-84-0	Di-n-Octyl Phthalate	21000	U
205-99-2	Benzo(b)Fluoranthene	21000	U
207-08-9	Benzo(k)Fluoranthene	21000	U
50-32-8	Benzo(a)Pyrene	21000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	21000	U
53-70-3	Dibenz(a,h)Anthracene	21000	U
191-24-2	Benzo(g,h,i)Perylene	21000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB305

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76302
 Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10815E
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 45 dec. Date Extracted: 08/15/91
 Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/91
 Cleanup: (Y/N) N pH: 5.5 Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	18.52	190000	JX
2. 3268-87-9	DIBENZO[B,E][1,4]DIOXIN, OCT	36.71	32000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB305RE

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76302RE

Sample wt/vol: 1.7 (g/mL) G

Lab File ID: 2BN10815K

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 45 dec.

Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/16/91

PC Cleanup: (Y/N) N pH: 5.5

Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	85000	U
111-44-4	bis(2-Chloroethyl) Ether	85000	U
95-57-8	2-Chlorophenol	85000	U
541-73-1	1,3-Dichlorobenzene	85000	U
106-46-7	1,4-Dichlorobenzene	85000	U
100-51-6	Benzyl Alcohol	85000	U
95-50-1	1,2-Dichlorobenzene	85000	U
95-48-7	2-Methylphenol	85000	U
108-60-1	bis(2-Chloroisopropyl) Ether	85000	U
106-44-5	4-Methylphenol	85000	U
621-64-7	N-Nitroso-Di-n-Propylamine	85000	U
67-72-1	Hexachloroethane	85000	U
98-95-3	Nitrobenzene	85000	U
78-59-1	Isophorone	85000	U
88-75-5	2-Nitrophenol	85000	U
105-67-9	2,4-Dimethylphenol	85000	U
65-85-0	Benzoic Acid	410000	U
111-91-1	bis(2-Chloroethoxy) Methane	85000	U
120-83-2	2,4-Dichlorophenol	85000	U
120-82-1	1,2,4-Trichlorobenzene	85000	U
91-20-3	Naphthalene	85000	U
106-47-8	4-Chloroaniline	85000	U
87-68-3	Hexachlorobutadiene	85000	U
59-50-7	4-Chloro-3-Methylphenol	85000	U
91-57-6	2-Methylnaphthalene	85000	U
77-47-4	Hexachlorocyclopentadiene	85000	U
88-06-2	2,4,6-Trichlorophenol	85000	U
95-95-4	2,4,5-Trichlorophenol	41000	J
91-58-7	2-Chloronaphthalene	85000	U
88-74-4	2-Nitroaniline	410000	U
131-11-3	Dimethyl Phthalate	85000	U
208-96-8	Acenaphthylene	85000	U
606-20-2	2,6-Dinitrotoluene	85000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB305RE

b Name: WEYERHAEUSER Method: 8270
 b Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76302RE
 Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10815K
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 45 dec. Date Extracted: 08/15/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
 Cleanup: (Y/N) N pH: 5.5 Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	410000	U
83-32-9	Acenaphthene	85000	U
51-28-5	2,4-Dinitrophenol	410000	U
100-02-7	4-Nitrophenol	410000	U
132-64-9	Dibenzofuran	85000	U
121-14-2	2,4-Dinitrotoluene	85000	U
84-66-2	Diethylphthalate	85000	U
7005-72-3	4-Chlorophenyl-phenylether	85000	U
86-73-7	Fluorene	85000	U
100-01-6	4-Nitroaniline	410000	U
534-52-1	4,6-Dinitro-2-Methylphenol	410000	U
86-30-6	N-Nitrosodiphenylamine (1)	85000	U
101-55-3	4-Bromophenyl-phenylether	85000	U
118-74-1	Hexachlorobenzene	85000	U
87-86-5	Pentachlorophenol	1200000	
85-01-8	Phenanthrene	85000	U
120-12-7	Anthracene	85000	U
84-74-2	Di-n-Butylphthalate	85000	U
206-44-0	Fluoranthene	85000	U
129-00-0	Pyrene	85000	U
85-68-7	Butylbenzylphthalate	85000	U
91-94-1	3,3'-Dichlorobenzidine	170000	U
56-55-3	Benzo(a)Anthracene	85000	U
218-01-9	Chrysene	85000	U
117-81-7	bis(2-Ethylhexyl)phthalate	85000	U
117-84-0	Di-n-Octyl Phthalate	85000	U
205-99-2	Benzo(b)Fluoranthene	85000	U
207-08-9	Benzo(k)Fluoranthene	85000	U
50-32-8	Benzo(a)Pyrene	85000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	85000	U
53-70-3	Dibenz(a,h)Anthracene	85000	U
191-24-2	Benzo(g,h,i)Perylene	85000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB305RE

Lab Name: WEYERHAEUSER Method: 8270
Lab code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
Matrix: (soil/water) SOIL Lab Sample ID: 76302RE
Sample wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10815K
Level: (low/med) MED Date Received: 08/15/91
Moisture: not dec. 45 dec. Date Extracted: 08/15/91
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
PC Cleanup: (Y/N) N pH: 5.5 Dilution Factor: 4.0

Number TICs found: 0
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB306

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76303

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: BN10815F

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 59 dec.

Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/15/91

GC Cleanup: (Y/N) N pH: 5.7

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	37000	U
111-44-4	bis(2-Chloroethyl) Ether	37000	U
95-57-8	2-Chlorophenol	37000	U
541-73-1	1,3-Dichlorobenzene	37000	U
106-46-7	1,4-Dichlorobenzene	37000	U
100-51-6	Benzyl Alcohol	37000	U
95-50-1	1,2-Dichlorobenzene	37000	U
95-48-7	2-Methylphenol	37000	U
108-60-1	bis(2-Chloroisopropyl) Ether	37000	U
106-44-5	4-Methylphenol	37000	U
621-64-7	N-Nitroso-Di-n-Propylamine	37000	U
67-72-1	Hexachloroethane	37000	U
98-95-3	Nitrobenzene	37000	U
78-59-1	Isophorone	37000	U
88-75-5	2-Nitrophenol	37000	U
105-67-9	2,4-Dimethylphenol	37000	U
65-85-0	Benzoic Acid	180000	U
111-91-1	bis(2-Chloroethoxy) Methane	37000	U
120-83-2	2,4-Dichlorophenol	37000	U
120-82-1	1,2,4-Trichlorobenzene	37000	U
91-20-3	Naphthalene	37000	U
106-47-8	4-Chloroaniline	37000	U
87-68-3	Hexachlorobutadiene	37000	U
59-50-7	4-Chloro-3-Methylphenol	37000	U
91-57-6	2-Methylnaphthalene	37000	U
77-47-4	Hexachlorocyclopentadiene	37000	U
88-06-2	2,4,6-Trichlorophenol	37000	U
95-95-4	2,4,5-Trichlorophenol	220000	U
91-58-7	2-Chloronaphthalene	37000	U
88-74-4	2-Nitroaniline	180000	U
131-11-3	Dimethyl Phthalate	37000	U
208-96-8	Acenaphthylene	37000	U
606-20-2	2,6-Dinitrotoluene	37000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB306

Lab Name: WEYERHAEUSER Method: 8270

Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

Matrix: (soil/water) SOIL Lab Sample ID: 76303

Sample wt/vol: 1.3 (g/mL) G Lab File ID: BN10815F

Level: (low/med) MED Date Received: 08/15/91

Moisture: not dec. 59 dec. Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/91

PC Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND UG/KG Q

99-09-2-----	3-Nitroaniline	180000	U
83-32-9-----	Acenaphthene	37000	U
51-28-5-----	2,4-Dinitrophenol	180000	U
100-02-7-----	4-Nitrophenol	180000	U
132-64-9-----	Dibenzofuran	37000	U
121-14-2-----	2,4-Dinitrotoluene	37000	U
84-66-2-----	Diethylphthalate	37000	U
7005-72-3-----	4-Chlorophenyl-phenylether	37000	U
86-73-7-----	Fluorene	37000	U
100-01-6-----	4-Nitroaniline	180000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	180000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	37000	U
101-55-3-----	4-Bromophenyl-phenylether	37000	U
118-74-1-----	Hexachlorobenzene	37000	U
87-86-5-----	Pentachlorophenol	4500000	E
85-01-8-----	Phenanthrene	37000	U
120-12-7-----	Anthracene	37000	U
84-74-2-----	Di-n-Butylphthalate	37000	U
206-44-0-----	Fluoranthene	37000	U
129-00-0-----	Pyrene	37000	U
85-68-7-----	Butylbenzylphthalate	37000	U
91-94-1-----	3,3'-Dichlorobenzidine	74000	U
56-55-3-----	Benzo(a)Anthracene	37000	U
218-01-9-----	Chrysene	37000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	37000	U
117-84-0-----	Di-n-Octyl Phthalate	37000	U
205-99-2-----	Benzo(b)Fluoranthene	37000	U
207-08-9-----	Benzo(k)Fluoranthene	37000	U
50-32-8-----	Benzo(a)Pyrene	37000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	37000	U
53-70-3-----	Dibenz(a,h)Anthracene	37000	U
191-24-2-----	Benzo(g,h,i)Perylene	37000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB306

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76303
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: BN10815F
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 59 dec. Date Extracted: 08/15/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/91
 Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108-43-0	PHENOL, 3-CHLORO-	12.29	22000	JX
2. 591-35-5	PHENOL, 3,5-DICHLORO-	16.20	19000	JX
3. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.57	950000	JX
4.	UNKNOWN	32.92	36000	JX
5.	UNKNOWN	33.24	34000	JX
6. 3268-87-9	DIBENZO[B,E][1,4]DIOXIN, OCT	36.71	40000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB306RE

Lab Name: WEYERHAEUSER Method: 8270
 Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: 76303RE
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10815J
 Level: (low/med) MED Date Received: 08/15/91
 Moisture: not dec. 59 dec. Date Extracted: 08/15/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
 PC Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	590000	U
111-44-4	bis(2-Chloroethyl) Ether	590000	U
95-57-8	2-Chlorophenol	590000	U
541-73-1	1,3-Dichlorobenzene	590000	U
106-46-7	1,4-Dichlorobenzene	590000	U
100-51-6	Benzyl Alcohol	590000	U
95-50-1	1,2-Dichlorobenzene	590000	U
95-48-7	2-Methylphenol	590000	U
108-60-1	bis(2-Chloroisopropyl) Ether	590000	U
106-44-5	4-Methylphenol	590000	U
621-64-7	N-Nitroso-Di-n-Propylamine	590000	U
67-72-1	Hexachloroethane	590000	U
98-95-3	Nitrobenzene	590000	U
78-59-1	Isophorone	590000	U
88-75-5	2-Nitrophenol	590000	U
105-67-9	2,4-Dimethylphenol	590000	U
65-85-0	Benzoic Acid	2900000	U
111-91-1	bis(2-Chloroethoxy) Methane	590000	U
120-83-2	2,4-Dichlorophenol	590000	U
120-82-1	1,2,4-Trichlorobenzene	590000	U
91-20-3	Naphthalene	590000	U
106-47-8	4-Chloroaniline	590000	U
87-68-3	Hexachlorobutadiene	590000	U
59-50-7	4-Chloro-3-Methylphenol	590000	U
91-57-6	2-Methylnaphthalene	590000	U
77-47-4	Hexachlorocyclopentadiene	590000	U
88-06-2	2,4,6-Trichlorophenol	590000	U
95-95-4	2,4,5-Trichlorophenol	140000	J
91-58-7	2-Chloronaphthalene	590000	U
88-74-4	2-Nitroaniline	2900000	U
131-11-3	Dimethyl Phthalate	590000	U
208-96-8	Acenaphthylene	590000	U
606-20-2	2,6-Dinitrotoluene	590000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB306RE

Name: WEYERHAEUSER

Method: 8270

Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: 76303RE

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: 2BN10815J

Level: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 59 dec.

Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/16/91

Cleanup: (Y/N) N

pH: 5.7

Dilution Factor: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	2900000	U
83-32-9	Acenaphthene	590000	U
51-28-5	2,4-Dinitrophenol	2900000	U
100-02-7	4-Nitrophenol	2900000	U
132-64-9	Dibenzofuran	590000	U
121-14-2	2,4-Dinitrotoluene	590000	U
84-66-2	Diethylphthalate	590000	U
7005-72-3	4-Chlorophenyl-phenylether	590000	U
86-73-7	Fluorene	590000	U
100-01-6	4-Nitroaniline	2900000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2900000	U
86-30-6	N-Nitrosodiphenylamine (1)	590000	U
101-55-3	4-Bromophenyl-phenylether	590000	U
118-74-1	Hexachlorobenzene	590000	U
87-86-5	Pentachlorophenol	8200000	U
85-01-8	Phenanthrene	590000	U
120-12-7	Anthracene	590000	U
84-74-2	Di-n-Butylphthalate	590000	U
206-44-0	Fluoranthene	590000	U
129-00-0	Pyrene	590000	U
85-68-7	Butylbenzylphthalate	590000	U
91-94-1	3,3'-Dichlorobenzidine	1200000	U
56-55-3	Benzo(a)Anthracene	590000	U
218-01-9	Chrysene	590000	U
117-81-7	bis(2-Ethylhexyl)phthalate	590000	U
117-84-0	Di-n-Octyl Phthalate	590000	U
205-99-2	Benzo(b)Fluoranthene	590000	U
207-08-9	Benzo(k)Fluoranthene	590000	U
50-32-8	Benzo(a)Pyrene	590000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	590000	U
53-70-3	Dibenz(a,h)Anthracene	590000	U
191-24-2	Benzo(g,h,i)Perylene	590000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB306RE

Lab Name: WEYERHAEUSER Method: 8270
Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
Matrix: (soil/water) SOIL Lab Sample ID: 76303RE
Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10815J
Level: (low/med) MED Date Received: 08/15/91
Moisture: not dec. 59 dec. Date Extracted: 08/15/91
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91
PC Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 16

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB307F

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) WATER Lab Sample ID: 76304
 Sample wt/vol: 900 (g/mL) ML Lab File ID: 2BN10819A
 Level: (low/med) LOW Date Received: 08/15/91
 Moisture: not dec. dec. Date Extracted: 08/16/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	8	J
111-44-4	bis(2-Chloroethyl) Ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
100-51-6	Benzyl Alcohol	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	bis(2-Chloroisopropyl) Ether	11	U
106-44-5	4-Methylphenol	3	J
621-64-7	N-Nitroso-Di-n-Propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic Acid	56	U
111-91-1	bis(2-Chloroethoxy) Methane	11	U
120-83-2	2,4-Dichlorophenol	17	
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-Methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	570	E
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	56	U
131-11-3	Dimethyl Phthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB307F

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) WATER Lab Sample ID: 76304
 Sample wt/vol: 900 (g/mL) ML Lab File ID: 2BN10819A
 Level: (low/med) LOW Date Received: 08/15/91
 Moisture: not dec. dec. Date Extracted: 08/16/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 9 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108-43-0	PHENOL, 3-CHLORO-	12.22	580	JX
2.	UNKNOWN	14.20	33	JX
3. 13588-28-8	1-PROPANOL, 2-(2-METHOXYPROP	14.25	39	JX
4. 20324-33-8	2-PROPANOL, 1-[2-(2-METHOXY-	14.30	75	JX
5. 591-35-5	PHENOL, 3,5-DICHLORO-	16.09	260	JX
6. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.52	1200	JX
7.	UNKNOWN	19.37	29	JX
8.	UNKNOWN	23.95	17	JX
9.	UNKNOWN	37.71	16	JX

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB307FDL

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) WATER Lab Sample ID: 76304DL
 Sample wt/vol: 900 (g/mL) ML Lab File ID: 2BN10819B
 Rel: (low/med) LOW Date Received: 08/15/91
 Moisture: not dec. dec. Date Extracted: 08/16/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91
 Cleanup: (Y/N) N pH: Dilution Factor: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	220	U
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	220	U
121-14-2	2,4-Dinitrotoluene	220	U
84-66-2	Diethylphthalate	220	U
7005-72-3	4-Chlorophenyl-phenylether	220	U
86-73-7	Fluorene	220	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-Methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	220	U
101-55-3	4-Bromophenyl-phenylether	220	U
118-74-1	Hexachlorobenzene	220	U
87-86-5	Pentachlorophenol	4700	D
85-01-8	Phenanthrene	220	U
120-12-7	Anthracene	220	U
84-74-2	Di-n-Butylphthalate	220	U
206-44-0	Fluoranthene	220	U
129-00-0	Pyrene	220	U
85-68-7	Butylbenzylphthalate	220	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)Anthracene	220	U
218-01-9	Chrysene	220	U
117-81-7	bis(2-Ethylhexyl)phthalate	220	U
117-84-0	Di-n-Octyl Phthalate	220	U
205-99-2	Benzo(b)Fluoranthene	220	U
207-08-9	Benzo(k)Fluoranthene	220	U
50-32-8	Benzo(a)Pyrene	220	U
193-39-5	Indeno(1,2,3-cd)Pyrene	220	U
53-70-3	Dibenz(a,h)Anthracene	220	U
191-24-2	Benzo(g,h,i)Perylene	220	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB307UF

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) WATER Lab Sample ID: 76305
 Sample wt/vol: 950 (g/mL) ML Lab File ID: 2BN10819F
 Level: (low/med) LOW Date Received: 08/15/91
 Moisture: not dec. dec. Date Extracted: 08/16/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91
 Cleanup: (Y/N) N pH: Dilution Factor: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	170	U
111-44-4	bis(2-Chloroethyl) Ether	170	U
95-57-8	2-Chlorophenol	170	U
541-73-1	1,3-Dichlorobenzene	170	U
106-46-7	1,4-Dichlorobenzene	170	U
100-51-6	Benzyl Alcohol	170	U
95-50-1	1,2-Dichlorobenzene	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	bis(2-Chloroisopropyl) Ether	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-Di-n-Propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
65-85-0	Benzoic Acid	840	U
111-91-1	bis(2-Chloroethoxy) Methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
120-82-1	1,2,4-Trichlorobenzene	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
59-50-7	4-Chloro-3-Methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	370	
95-95-4	2,4,5-Trichlorophenol	350	J
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	840	U
131-11-3	Dimethyl Phthalate	170	U
208-96-8	Acenaphthylene	170	U
606-20-2	2,6-Dinitrotoluene	170	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB308FB

Name: WEYERHAEUSER **Method:** 8270
Code: WEYER **Case No.:** 06483 **SAS No.:** **SDG No.:** 76298
Matrix: (soil/water) WATER **Lab Sample ID:** 76306
Sample wt/vol: 790 (g/mL) ML **Lab File ID:** 2BN10819D
Level: (low/med) LOW **Date Received:** 08/15/91
Moisture: not dec. dec. **Date Extracted:** 08/16/91
Extraction: (SepF/Cont/Sonc) CONT **Date Analyzed:** 08/19/91
GC Cleanup: (Y/N) N pH: **Dilution Factor:** 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
108-95-2-----	Phenol	13	U
111-44-4-----	bis(2-Chloroethyl) Ether	13	U
95-57-8-----	2-Chlorophenol	13	U
541-73-1-----	1,3-Dichlorobenzene	13	U
106-46-7-----	1,4-Dichlorobenzene	13	U
100-51-6-----	Benzyl Alcohol	13	U
95-50-1-----	1,2-Dichlorobenzene	13	U
95-48-7-----	2-Methylphenol	13	U
108-60-1-----	bis(2-Chloroisopropyl) Ether	13	U
106-44-5-----	4-Methylphenol	13	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	13	U
67-72-1-----	Hexachloroethane	13	U
98-95-3-----	Nitrobenzene	13	U
78-59-1-----	Isophorone	13	U
88-75-5-----	2-Nitrophenol	13	U
105-67-9-----	2,4-Dimethylphenol	13	U
65-85-0-----	Benzoic Acid	64	U
111-91-1-----	bis(2-Chloroethoxy) Methane	13	U
120-83-2-----	2,4-Dichlorophenol	13	U
120-82-1-----	1,2,4-Trichlorobenzene	13	U
91-20-3-----	Naphthalene	13	U
106-47-8-----	4-Chloroaniline	13	U
87-68-3-----	Hexachlorobutadiene	13	U
59-50-7-----	4-Chloro-3-Methylphenol	13	U
91-57-6-----	2-Methylnaphthalene	13	U
77-47-4-----	Hexachlorocyclopentadiene	13	U
88-06-2-----	2,4,6-Trichlorophenol	13	U
95-95-4-----	2,4,5-Trichlorophenol	64	U
91-58-7-----	2-Chloronaphthalene	13	U
88-74-4-----	2-Nitroaniline	64	U
131-11-3-----	Dimethyl Phthalate	13	U
208-96-8-----	Acenaphthylene	13	U
606-20-2-----	2,6-Dinitrotoluene	13	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB308FB

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) WATER Lab Sample ID: 76306
 Sample wt/vol: 790 (g/mL) ML Lab File ID: 2BN10819D
 Level: (low/med) LOW Date Received: 08/15/91
 Moisture: not dec. dec. Date Extracted: 08/16/91
 Fraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

99-09-2	3-Nitroaniline	64	U
83-32-9	Acenaphthene	13	U
51-28-5	2,4-Dinitrophenol	64	U
100-02-7	4-Nitrophenol	64	U
132-64-9	Dibenzofuran	13	U
121-14-2	2,4-Dinitrotoluene	13	U
84-66-2	Diethylphthalate	13	U
7005-72-3	4-Chlorophenyl-phenylether	13	U
86-73-7	Fluorene	13	U
100-01-6	4-Nitroaniline	64	U
534-52-1	4,6-Dinitro-2-Methylphenol	64	U
86-30-6	N-Nitrosodiphenylamine (1)	13	U
101-55-3	4-Bromophenyl-phenylether	13	U
118-74-1	Hexachlorobenzene	13	U
87-86-5	Pentachlorophenol	64	U
85-01-8	Phenanthrene	13	U
120-12-7	Anthracene	13	U
84-74-2	Di-n-Butylphthalate	26	
206-44-0	Fluoranthene	13	U
129-00-0	Pyrene	13	U
85-68-7	Butylbenzylphthalate	13	U
91-94-1	3,3'-Dichlorobenzidine	25	U
56-55-3	Benzo(a)Anthracene	13	U
218-01-9	Chrysene	13	U
117-81-7	bis(2-Ethylhexyl)phthalate	13	U
117-84-0	Di-n-Octyl Phthalate	13	U
205-99-2	Benzo(b)Fluoranthene	13	U
207-08-9	Benzo(k)Fluoranthene	13	U
50-32-8	Benzo(a)Pyrene	13	U
193-39-5	Indeno(1,2,3-cd)Pyrene	13	U
53-70-3	Dibenz(a,h)Anthracene	13	U
191-24-2	Benzo(g,h,i)Perylene	13	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB308FB

Lab Name: WEYERHAEUSER Method: 8270
Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
Matrix: (soil/water) WATER Lab Sample ID: 76306
Sample wt/vol: 790 (g/mL) ML Lab File ID: 2BN10819D
Level: (low/med) LOW Date Received: 08/15/91
Moisture: not dec. dec. Date Extracted: 08/16/91
Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91
GC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 3
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 106-35-4	3-HEPTANONE	5.55	8.9	JX
2. 96-76-4	PHENOL, 2,4-BIS(1,1-DIMETHYL	17.54	11	JX
3. 17851-53-5	1,2-BENZENEDICARBOXYLIC ACID	23.90	28	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Company Name: WEYERHAEUSER

Method: 8270

Company Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: 2BN10815C

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/15/91

Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl) Ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
100-51-6	Benzyl Alcohol	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
95-48-7	2-Methylphenol	20000	U
108-60-1	bis(2-Chloroisopropyl) Ether	20000	U
106-44-5	4-Methylphenol	20000	U
621-64-7	N-Nitroso-Di-n-Propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
65-85-0	Benzoic Acid	96000	U
111-91-1	bis(2-Chloroethoxy) Methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	20000	U
106-47-8	4-Chloroaniline	20000	U
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-Methylphenol	20000	U
91-57-6	2-Methylnaphthalene	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
95-95-4	2,4,5-Trichlorophenol	96000	U
91-58-7	2-Chloronaphthalene	20000	U
88-74-4	2-Nitroaniline	96000	U
131-11-3	Dimethyl Phthalate	20000	U
208-96-8	Acenaphthylene	20000	U
606-20-2	2,6-Dinitrotoluene	20000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: 2BN10815C

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 08/15/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/15/91

SPC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	96000	U
83-32-9	Acenaphthene	20000	U
51-28-5	2,4-Dinitrophenol	96000	U
100-02-7	4-Nitrophenol	96000	U
132-64-9	Dibenzofuran	20000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
7005-72-3	4-Chlorophenyl-phenylether	20000	U
86-73-7	Fluorene	20000	U
100-01-6	4-Nitroaniline	96000	U
534-52-1	4,6-Dinitro-2-Methylphenol	96000	U
86-30-6	N-Nitrosodiphenylamine (1)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	96000	U
85-01-8	Phenanthrene	20000	U
120-12-7	Anthracene	20000	U
84-74-2	Di-n-Butylphthalate	20000	U
206-44-0	Fluoranthene	20000	U
129-00-0	Pyrene	20000	U
85-68-7	Butylbenzylphthalate	20000	U
91-94-1	3,3'-Dichlorobenzidine	40000	U
56-55-3	Benzo(a)Anthracene	20000	U
218-01-9	Chrysene	20000	U
117-81-7	bis(2-Ethylhexyl)phthalate	20000	U
117-84-0	Di-n-Octyl Phthalate	20000	U
205-99-2	Benzo(b)Fluoranthene	20000	U
207-08-9	Benzo(k)Fluoranthene	20000	U
50-32-8	Benzo(a)Pyrene	20000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	20000	U
53-70-3	Dibenz(a,h)Anthracene	20000	U
191-24-2	Benzo(g,h,i)Perylene	20000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

Lab Name: WEYERHAEUSER Method: 8270
Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1
Sample wt/vol: 1.0 (g/mL) G Lab File ID: 2BN10815C
Level: (low/med) MED Date Received:
Moisture: not dec. dec. Date Extracted: 08/15/91
Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/91
Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	26.02	36000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW1

b Name: WEYERHAEUSER Method: 8270

b Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

Matrix: (soil/water) WATER Lab Sample ID: SBLKW1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 2BN10819E

Level: (low/med) LOW Date Received:

Moisture: not dec. dec. Date Extracted: 08/16/91

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91

GC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl) Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl) Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy) Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW1

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) WATER Lab Sample ID: SBLKW1
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: 2BN10819E
 Level: (low/med) LOW Date Received:
 Moisture: not dec. dec. Date Extracted: 08/16/91
 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO. COMPOUND UG/L Q

99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKW1

Lab Name: WEYERHAEUSER Method: 8270
Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
Matrix: (soil/water) WATER Lab Sample ID: SBLKW1
Sample wt/vol: 1000 (g/mL) ML Lab File ID: 2BN10819E
Level: (low/med) LOW Date Received:
Moisture: not dec. dec. Date Extracted: 08/16/91
Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91
Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 0
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS2

Name: WEYERHAEUSER Method: 8270
 Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKS2
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: 2BN10820D
 Level: (low/med) MED Date Received:
 Moisture: not dec. dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND UG/KG Q

108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl) Ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
100-51-6	Benzyl Alcohol	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
95-48-7	2-Methylphenol	20000	U
108-60-1	bis(2-Chloroisopropyl) Ether	20000	U
106-44-5	4-Methylphenol	20000	U
621-64-7	N-Nitroso-Di-n-Propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
65-85-0	Benzoic Acid	96000	U
111-91-1	bis(2-Chloroethoxy) Methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	20000	U
106-47-8	4-Chloroaniline	20000	U
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-Methylphenol	20000	U
91-57-6	2-Methylnaphthalene	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
95-95-4	2,4,5-Trichlorophenol	96000	U
91-58-7	2-Chloronaphthalene	20000	U
88-74-4	2-Nitroaniline	96000	U
131-11-3	Dimethyl Phthalate	20000	U
208-96-8	Acenaphthylene	20000	U
606-20-2	2,6-Dinitrotoluene	20000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS2

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS2

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: 2BN10820D

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	96000	U
83-32-9	Acenaphthene	20000	U
51-28-5	2,4-Dinitrophenol	96000	U
100-02-7	4-Nitrophenol	96000	U
132-64-9	Dibenzofuran	20000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
7005-72-3	4-Chlorophenyl-phenylether	20000	U
86-73-7	Fluorene	20000	U
100-01-6	4-Nitroaniline	96000	U
534-52-1	4,6-Dinitro-2-Methylphenol	96000	U
86-30-6	N-Nitrosodiphenylamine (1)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	96000	U
85-01-8	Phenanthrene	20000	U
120-12-7	Anthracene	20000	U
84-74-2	Di-n-Butylphthalate	20000	U
206-44-0	Fluoranthene	20000	U
129-00-0	Pyrene	20000	U
85-68-7	Butylbenzylphthalate	20000	U
91-94-1	3,3'-Dichlorobenzidine	40000	U
56-55-3	Benzo(a)Anthracene	20000	U
218-01-9	Chrysene	20000	U
117-81-7	bis(2-Ethylhexyl)phthalate	31000	
117-84-0	Di-n-Octyl Phthalate	20000	U
205-99-2	Benzo(b)Fluoranthene	20000	U
207-08-9	Benzo(k)Fluoranthene	20000	U
50-32-8	Benzo(a)Pyrene	20000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	20000	U
53-70-3	Dibenz(a,h)Anthracene	20000	U
191-24-2	Benzo(g,h,i)Perylene	20000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS2

Lab Name: WEYERHAEUSER Method: 8270
Lab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298
Matrix: (soil/water) SOIL Lab Sample ID: SBLKS2
Sample wt/vol: 1.0 (g/mL) G Lab File ID: 2BN10820D
Level: (low/med) MED Date Received:
Moisture: not dec. dec. Date Extracted: 08/19/91
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
GC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 0
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: WEYERHAEUSER

Method: 8270

Lab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	WAB307F	31 *	27 *	20 *	26	24	33	0	3
02	WAB307FDL	0 D	0 D	0 D	22	0 D	22	0	0
03	WAB307UF	0 D	0 D	0 D	0 D	0 D	0 D	0	0
04	WAB308FB	68	60	60	56	52	60	0	0
05	SBLKW1	69	62	62	59	53	60	0	0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (35-114)
S2 (FBP) = 2-Fluorobiphenyl (43-116)
S3 (TPH) = Terphenyl (33-141)
S4 (PHL) = Phenol-d5 (10-94)
S5 (2FP) = 2-Fluorophenol (21-100)
S6 (TBP) = 2,4,6-Tribromophenol (10-123)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Name: WEYERHAEUSER

Method: 8270

Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

rel: (low/med) MED

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	WAB301	84	83	99	70	69	87	0	0
02	WAB301RE	68	70	76	53	58	61	0	0
03	WAB302	59	71	103	48	45	96	0	0
04	WAB302RE	45	60	81	37	36	73	0	0
05	WAB303	70	69	69	56	60	62	0	0
06	WAB304	75	71	76	57	62	76	0	0
07	WAB304DL	63	64	64	50	52	63	0	0
08	WAB305	75	75	106	63	62	86	0	0
09	WAB305RE	56	63	82	48	45	69	0	0
10	WAB306	65	74	103	53	47	91	0	0
11	WAB306RE	49	62	79	38	39	67	0	0
12	SBLKS1	76	70	108	63	70	69	0	0
13	SBLKS2	58	54	72	50	52	64	0	0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out



Date August 26, 1991
From Dennis Catalano
Location Tacoma, WTC 2F25
Subject SR# 06503 Aberdeen Sawmill Soil Cleanup - Penta/NP-1

To Mick McCourt WTC 2H4


Attached are the results from the samples you requested we analyze for BNAs. If you have any questions about the results please contact me at 924-6521.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.

A handwritten signature in cursive script, appearing to read "D. Catalano", with a horizontal line extending to the right.

Dennis Catalano
Analytical Chemistry Laboratories

Attachment


Gary Roethler WTC 2H4

FLAG QUALIFIERS DESCRIPTION

- U Indicates compound was analyzed for but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds or when the result is less than the quantitation limit.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B Indicates the compound was found in the blank as well as the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument.
- X This flag is assigned by the computer when the program has been manually adjusted by the operator. It has no significance to the number itself.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB401

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76378
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10820E
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 63 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	36000	U
111-44-4	bis(2-Chloroethyl) Ether	36000	U
95-57-8	2-Chlorophenol	36000	U
541-73-1	1,3-Dichlorobenzene	36000	U
106-46-7	1,4-Dichlorobenzene	36000	U
100-51-6	Benzyl Alcohol	36000	U
95-50-1	1,2-Dichlorobenzene	36000	U
95-48-7	2-Methylphenol	36000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	36000	U
106-44-5	4-Methylphenol	36000	U
621-64-7	N-Nitroso-Di-n-Propylamine	36000	U
67-72-1	Hexachloroethane	36000	U
98-95-3	Nitrobenzene	36000	U
78-59-1	Isophorone	36000	U
88-75-5	2-Nitrophenol	36000	U
105-67-9	2,4-Dimethylphenol	36000	U
65-85-0	Benzoic Acid	170000	U
111-91-1	bis(2-Chloroethoxy) Methane	36000	U
120-83-2	2,4-Dichlorophenol	36000	U
120-82-1	1,2,4-Trichlorobenzene	36000	U
91-20-3	Naphthalene	36000	U
106-47-8	4-Chloroaniline	36000	U
87-68-3	Hexachlorobutadiene	36000	U
59-50-7	4-Chloro-3-Methylphenol	36000	U
91-57-6	2-Methylnaphthalene	36000	U
77-47-4	Hexachlorocyclopentadiene	36000	U
88-06-2	2,4,6-Trichlorophenol	82000	U
95-95-4	2,4,5-Trichlorophenol	79000	J
91-58-7	2-Chloronaphthalene	36000	U
88-74-4	2-Nitroaniline	170000	U
131-11-3	Dimethyl Phthalate	36000	U
208-96-8	Acenaphthylene	36000	U
606-20-2	2,6-Dinitrotoluene	36000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB401

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76378

Sample wt/vol: 1.5 (g/mL) G

Lab File ID: 2BN10820E

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 63 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----3-Nitroaniline	170000	U
83-32-9-----Acenaphthene	36000	U
51-28-5-----2,4-Dinitrophenol	170000	U
100-02-7-----4-Nitrophenol	170000	U
132-64-9-----Dibenzofuran	36000	U
121-14-2-----2,4-Dinitrotoluene	36000	U
84-66-2-----Diethylphthalate	36000	U
7005-72-3-----4-Chlorophenyl-phenylether	36000	U
86-73-7-----Fluorene	36000	U
100-10-6-----4-Nitroaniline	170000	U
534-52-1-----4,6-Dinitro-2-Methylphenol	170000	U
86-30-6-----N-Nitrosodiphenylamine (1)	36000	U
101-55-3-----4-Bromophenyl-phenylether	36000	U
118-74-1-----Hexachlorobenzene	36000	U
87-86-5-----Pentachlorophenol	1700000	E
85-01-8-----Phenanthrene	36000	U
120-12-7-----Anthracene	36000	U
84-74-2-----Di-n-Butylphthalate	36000	U
206-44-0-----Fluoranthene	36000	U
129-00-0-----Pyrene	36000	U
85-68-7-----Butylbenzylphthalate	36000	U
91-94-1-----3,3'-Dichlorobenzidine	71000	U
56-55-3-----Benzo(a)Anthracene	36000	U
218-01-9-----Chrysene	36000	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	36000	U
117-84-0-----Di-n-Octyl Phthalate	36000	U
205-99-2-----Benzo(b) Fluoranthene	36000	U
207-08-9-----Benzo(k) Fluoranthene	36000	U
50-32-8-----Benzo(a) Pyrene	36000	U
193-39-5-----Indeno(1,2,3-cd) Pyrene	36000	U
53-70-3-----Dibenz(a,h) Anthracene	36000	U
191-24-2-----Benzo(g,h,i) Perylene	36000	U

(1) - Cannot be separated from Diphenylamine

IF
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB401

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76378
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10820E
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 63 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 POC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.24	360000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB401DL

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76378DL
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10820L
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 63 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	290000	U
111-44-4	bis(2-Chloroethyl) Ether	290000	U
95-57-8	2-Chlorophenol	290000	U
541-73-1	1,3-Dichlorobenzene	290000	U
106-46-7	1,4-Dichlorobenzene	290000	U
100-51-6	Benzyl Alcohol	290000	U
95-50-1	1,2-Dichlorobenzene	290000	U
95-48-7	2-Methylphenol	290000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	290000	U
106-44-5	4-Methylphenol	290000	U
621-64-7	N-Nitroso-Di-n-Propylamine	290000	U
67-72-1	Hexachloroethane	290000	U
98-95-3	Nitrobenzene	290000	U
78-59-1	Isophorone	290000	U
88-75-5	2-Nitrophenol	290000	U
105-67-9	2,4-Dimethylphenol	290000	U
65-85-0	Benzoic Acid	1400000	U
111-91-1	bis(2-Chloroethoxy) Methane	290000	U
120-83-2	2,4-Dichlorophenol	290000	U
120-82-1	1,2,4-Trichlorobenzene	290000	U
91-20-3	Naphthalene	290000	U
106-47-8	4-Chloroaniline	290000	U
87-68-3	Hexachlorobutadiene	290000	U
59-50-7	4-Chloro-3-Methylphenol	290000	U
91-57-6	2-Methylnaphthalene	290000	U
77-47-4	Hexachlorocyclopentadiene	290000	U
88-06-2	2,4,6-Trichlorophenol	44000	DJ
95-95-4	2,4,5-Trichlorophenol	290000	U
91-58-7	2-Chloronaphthalene	1400000	U
88-74-4	2-Nitroaniline	290000	U
131-11-3	Dimethyl Phthalate	290000	U
208-96-8	Acenaphthylene	290000	U
606-20-2	2,6-Dinitrotoluene	290000	U

IC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB401DL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76378DL
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10820L
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 63 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 APC Cleanup: (Y/N) N pH: Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1400000	U
83-32-9	Acenaphthene	290000	U
51-28-5	2,4-Dinitrophenol	1400000	U
100-02-7	4-Nitrophenol	1400000	U
132-64-9	Dibenzofuran	290000	U
121-14-2	2,4-Dinitrotoluene	290000	U
84-66-2	Diethylphthalate	290000	U
7005-72-3	4-Chlorophenyl-phenylether	290000	U
86-73-7	Fluorene	290000	U
100-10-6	4-Nitroaniline	1400000	U
534-52-1	4,6-Dinitro-2-Methylphenol	1400000	U
86-30-6	N-Nitrosodiphenylamine (1)	290000	U
101-55-3	4-Bromophenyl-phenylether	290000	U
118-74-1	Hexachlorobenzene	290000	U
87-86-5	Pentachlorophenol	1500000	D
85-01-8	Phenanthrene	290000	U
120-12-7	Anthracene	290000	U
84-74-2	Di-n-Butylphthalate	290000	U
206-44-0	Fluoranthene	290000	U
129-00-0	Pyrene	290000	U
85-68-7	Butylbenzylphthalate	290000	U
91-94-1	3,3'-Dichlorobenzidine	570000	U
56-55-3	Benzo(a)Anthracene	290000	U
218-01-9	Chrysene	290000	U
117-81-7	bis(2-Ethylhexyl) Phthalate	290000	U
117-84-0	Di-n-Octyl Phthalate	290000	U
205-99-2	Benzo(b)Fluoranthene	290000	U
207-08-9	Benzo(k)Fluoranthene	290000	U
50-32-8	Benzo(a)Pyrene	290000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	290000	U
53-70-3	Dibenz(a,h)Anthracene	290000	U
191-24-2	Benzo(g,h,i)Perylene	290000	U

(1) - Cannot be separated from Diphenylamine

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB401DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76378DL

Sample wt/vol: 1.5 (g/mL) G

Lab File ID: 2BN10820L

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 63 dec.

Date Extracted: 08/19/91

Reaction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

Cleanup: (Y/N) N pH:

Dilution Factor: 8.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB402

Lab Name: WEYERHAEUSER	Contract: 8270	
Lab Code: WEYER	Case No.: 06503	SAS No.:
		SDG No.: 76378
Matrix: (soil/water) SOIL		Lab Sample ID: 76379
Sample wt/vol: 1.1 (g/mL) G		Lab File ID: 2BN10820F
Level: (low/med) MED		Date Received: 08/19/91
Moisture: not dec. 54 dec.		Date Extracted: 08/19/91
Extraction: (SepF/Cont/Sonc) SONC		Date Analyzed: 08/20/91
PC Cleanup: (Y/N) N	pH:	Dilution Factor: 2.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	78000	U
111-44-4	bis(2-Chloroethyl) Ether	78000	U
95-57-8	2-Chlorophenol	78000	U
541-73-1	1,3-Dichlorobenzene	78000	U
106-46-7	1,4-Dichlorobenzene	78000	U
100-51-6	Benzyl Alcohol	78000	U
95-50-1	1,2-Dichlorobenzene	78000	U
95-48-7	2-Methylphenol	78000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	78000	U
106-44-5	4-Methylphenol	78000	U
621-64-7	N-Nitroso-Di-n-Propylamine	78000	U
67-72-1	Hexachloroethane	78000	U
98-95-3	Nitrobenzene	78000	U
78-59-1	Isophorone	78000	U
88-75-5	2-Nitrophenol	78000	U
105-67-9	2,4-Dimethylphenol	78000	U
65-85-0	Benzoic Acid	380000	U
111-91-1	bis(2-Chloroethoxy)Methane	78000	U
120-83-2	2,4-Dichlorophenol	78000	U
120-82-1	1,2,4-Trichlorobenzene	78000	U
91-20-3	Naphthalene	78000	U
106-47-8	4-Chloroaniline	78000	U
87-68-3	Hexachlorobutadiene	78000	U
59-50-7	4-Chloro-3-Methylphenol	78000	U
91-57-6	2-Methylnaphthalene	78000	U
77-47-4	Hexachlorocyclopentadiene	78000	U
88-06-2	2,4,6-Trichlorophenol	120000	
95-95-4	2,4,5-Trichlorophenol	110000	J
91-58-7	2-Chloronaphthalene	78000	U
88-74-4	2-Nitroaniline	380000	U
131-11-3	Dimethyl Phthalate	78000	U
208-96-8	Acenaphthylene	78000	U
606-20-2	2,6-Dinitrotoluene	78000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB402

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76379

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: 2BN10820F

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 54 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

GC Cleanup: (Y/N) N pH:

Dilution Factor: 2.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2	3-Nitroaniline	380000	U
83-32-9	Acenaphthene	78000	U
51-28-5	2,4-Dinitrophenol	380000	U
100-02-7	4-Nitrophenol	380000	U
132-64-9	Dibenzofuran	78000	U
121-14-2	2,4-Dinitrotoluene	78000	U
84-66-2	Diethylphthalate	78000	U
7005-72-3	4-Chlorophenyl-phenylether	78000	U
86-73-7	Fluorene	78000	U
100-10-6	4-Nitroaniline	380000	U
534-52-1	4,6-Dinitro-2-Methylphenol	380000	U
86-30-6	N-Nitrosodiphenylamine (1)	78000	U
101-55-3	4-Bromophenyl-phenylether	78000	U
118-74-1	Hexachlorobenzene	78000	U
87-86-5	Pentachlorophenol	4500000	E
85-01-8	Phenanthrene	78000	U
120-12-7	Anthracene	78000	U
84-74-2	Di-n-Butylphthalate	78000	U
206-44-0	Fluoranthene	78000	U
129-00-0	Pyrene	78000	U
85-68-7	Butylbenzylphthalate	78000	U
91-94-1	3,3'-Dichlorobenzidine	160000	U
56-55-3	Benzo(a)Anthracene	78000	U
218-01-9	Chrysene	78000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	78000	U
117-84-0	Di-n-Octyl Phthalate	78000	U
205-99-2	Benzo(b)Fluoranthene	78000	U
207-08-9	Benzo(k)Fluoranthene	78000	U
50-32-8	Benzo(a)Pyrene	78000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	78000	U
53-70-3	Dibenz(a,h)Anthracene	78000	U
191-24-2	Benzo(g,h,i)Perylene	78000	U

(1) - Cannot be separated from Diphenylamine

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB402

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76379
 Sample wt/vol: 1.1 (g/mL) G Lab File ID: 2BN10820F
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 54 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 PC Cleanup: (Y/N) N pH: Dilution Factor: 2.0

Number TICs found: 1 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.25	710000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB402DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76379DL

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: 2BN10820M

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 54 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

Cleanup: (Y/N) N

pH:

Dilution Factor: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2	Phenol	620000	U
111-44-4	bis(2-Chloroethyl) Ether	620000	U
95-57-8	2-Chlorophenol	620000	U
541-73-1	1,3-Dichlorobenzene	620000	U
106-46-7	1,4-Dichlorobenzene	620000	U
100-51-6	Benzyl Alcohol	620000	U
95-50-1	1,2-Dichlorobenzene	620000	U
95-48-7	2-Methylphenol	620000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	620000	U
106-44-5	4-Methylphenol	620000	U
621-64-7	N-Nitroso-Di-n-Propylamine	620000	U
67-72-1	Hexachloroethane	620000	U
98-95-3	Nitrobenzene	620000	U
78-59-1	Isophorone	620000	U
88-75-5	2-Nitrophenol	620000	U
105-67-9	2,4-Dimethylphenol	620000	U
65-85-0	Benzoic Acid	3000000	U
111-91-1	bis(2-Chloroethoxy) Methane	620000	U
120-83-2	2,4-Dichlorophenol	620000	U
120-82-1	1,2,4-Trichlorobenzene	620000	U
91-20-3	Naphthalene	620000	U
106-47-8	4-Chloroaniline	620000	U
87-68-3	Hexachlorobutadiene	620000	U
59-50-7	4-Chloro-3-Methylphenol	620000	U
91-57-6	2-Methylnaphthalene	620000	U
77-47-4	Hexachlorocyclopentadiene	620000	U
88-06-2	2,4,6-Trichlorophenol	620000	U
95-95-4	2,4,5-Trichlorophenol	3000000	U
91-58-7	2-Chloronaphthalene	620000	U
88-74-4	2-Nitroaniline	3000000	U
131-11-3	Dimethyl Phthalate	620000	U
208-96-8	Acenaphthylene	620000	U
606-20-2	2,6-Dinitrotoluene	620000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB402DL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76379DL
 Sample wt/vol: 1.1 (g/mL) G Lab File ID: 2BN10820M
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 54 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 PC Cleanup: (Y/N) N pH: Dilution Factor: 16

 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3000000	U
83-32-9	Acenaphthene	620000	U
51-28-5	2,4-Dinitrophenol	3000000	U
100-02-7	4-Nitrophenol	3000000	U
132-64-9	Dibenzofuran	620000	U
121-14-2	2,4-Dinitrotoluene	620000	U
84-66-2	Diethylphthalate	620000	U
7005-72-3	4-Chlorophenyl-phenylether	620000	U
86-73-7	Fluorene	620000	U
100-10-6	4-Nitroaniline	3000000	U
534-52-1	4,6-Dinitro-2-Methylphenol	3000000	U
86-30-6	N-Nitrosodiphenylamine (1)	620000	U
101-55-3	4-Bromophenyl-phenylether	620000	U
118-74-1	Hexachlorobenzene	620000	U
87-86-5	Pentachlorophenol	4700000	D
85-01-8	Phenanthrene	620000	U
120-12-7	Anthracene	620000	U
84-74-2	Di-n-Butylphthalate	620000	U
206-44-0	Fluoranthene	620000	U
129-00-0	Pyrene	620000	U
85-68-7	Butylbenzylphthalate	620000	U
91-94-1	3,3'-Dichlorobenzidine	1200000	U
56-55-3	Benzo(a)Anthracene	620000	U
218-01-9	Chrysene	620000	U
117-81-7	bis(2-Ethylhexyl) Phthalate	620000	U
117-84-0	Di-n-Octyl Phthalate	620000	U
205-99-2	Benzo(b)Fluoranthene	620000	U
207-08-9	Benzo(k)Fluoranthene	620000	U
50-32-8	Benzo(a)Pyrene	620000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	620000	U
53-70-3	Dibenz(a,h)Anthracene	620000	U
191-24-2	Benzo(g,h,i)Perylene	620000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB402DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76379DL

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: 2BN10820M

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 54 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

Cleanup: (Y/N) N pH:

Dilution Factor: 16

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB403

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76380
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10820G
 Level: (low/med) MED Date Received: 08/19/81
 Moisture: not dec. 30 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 PC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	19000	U
111-44-4	bis(2-Chloroethyl) Ether	19000	U
95-57-8	2-Chlorophenol	19000	U
541-73-1	1,3-Dichlorobenzene	19000	U
106-46-7	1,4-Dichlorobenzene	19000	U
100-51-6	Benzyl Alcohol	19000	U
95-50-1	1,2-Dichlorobenzene	19000	U
95-48-7	2-Methylphenol	19000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	19000	U
106-44-5	4-Methylphenol	19000	U
621-64-7	N-Nitroso-Di-n-Propylamine	19000	U
67-72-1	Hexachloroethane	19000	U
98-95-3	Nitrobenzene	19000	U
78-59-1	Isophorone	19000	U
88-75-5	2-Nitrophenol	19000	U
105-67-9	2,4-Dimethylphenol	19000	U
65-85-0	Benzoic Acid	91000	U
111-91-1	bis(2-Chloroethoxy) Methane	19000	U
120-83-2	2,4-Dichlorophenol	19000	U
120-82-1	1,2,4-Trichlorobenzene	19000	U
91-20-3	Naphthalene	19000	U
106-47-8	4-Chloroaniline	19000	U
87-68-3	Hexachlorobutadiene	19000	U
59-50-7	4-Chloro-3-Methylphenol	19000	U
91-57-6	2-Methylnaphthalene	19000	U
77-47-4	Hexachlorocyclopentadiene	19000	U
88-06-2	2,4,6-Trichlorophenol	19000	U
95-95-4	2,4,5-Trichlorophenol	91000	U
91-58-7	2-Chloronaphthalene	19000	U
88-74-4	2-Nitroaniline	91000	U
131-11-3	Dimethyl Phthalate	19000	U
208-96-8	Acenaphthylene	19000	U
606-20-2	2,6-Dinitrotoluene	19000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB403

b Name: WEYERHAEUSER

Contract: 8270

b Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76380

Sample wt/vol: 1.5 (g/mL) G

Lab File ID: 2BN10820G

Level: (low/med) MED

Date Received: 08/19/81

Moisture: not dec. 30 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

GC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	91000	U
83-32-9	Acenaphthene	19000	U
51-28-5	2,4-Dinitrophenol	91000	U
100-02-7	4-Nitrophenol	91000	U
132-64-9	Dibenzofuran	19000	U
121-14-2	2,4-Dinitrotoluene	19000	U
84-66-2	Diethylphthalate	19000	U
7005-72-3	4-Chlorophenyl-phenylether	19000	U
86-73-7	Fluorene	91000	U
100-10-6	4-Nitroaniline	91000	U
534-52-1	4,6-Dinitro-2-Methylphenol	19000	U
86-30-6	N-Nitrosodiphenylamine (1)	19000	U
101-55-3	4-Bromophenyl-phenylether	19000	U
118-74-1	Hexachlorobenzene	19000	U
87-86-5	Pentachlorophenol	1400000	E
85-01-8	Phenanthrene	19000	U
120-12-7	Anthracene	19000	U
84-74-2	Di-n-Butylphthalate	19000	U
206-44-0	Fluoranthene	19000	U
129-00-0	Pyrene	19000	U
85-68-7	Butylbenzylphthalate	19000	U
91-94-1	3,3'-Dichlorobenzidine	38000	U
56-55-3	Benzo(a)Anthracene	19000	U
218-01-9	Chrysene	19000	U
117-81-7	bis(2-Ethylhexyl) Phthalate	19000	U
117-84-0	Di-n-Octyl Phthalate	19000	U
205-99-2	Benzo(b) Fluoranthene	19000	U
207-08-9	Benzo(k) Fluoranthene	19000	U
50-32-8	Benzo(a) Pyrene	19000	U
193-39-5	Indeno(1,2,3-cd) Pyrene	19000	U
53-70-3	Dibenz(a,h) Anthracene	19000	U
191-24-2	Benzo(g,h,i) Perylene	19000	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

WAB403

b Name: WEYERHAEUSER Contract: 8270
 b Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76380
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10820G
 Level: (low/med) MED Date Received: 08/19/81
 Moisture: not dec. 30 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 2 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.22	96000	JX
2. 3268-87-9	DIBENZO[B,E][1,4]DIOXIN, OCT	36.42	12000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB403DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76380DL

Sample wt/vol: 1.5 (g/mL) G

Lab File ID: 2BN10822D

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 30 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/22/91

GC Cleanup: (Y/N) N pH:

Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	150000	U
111-44-4	bis(2-Chloroethyl) Ether	150000	U
95-57-8	2-Chlorophenol	150000	U
541-73-1	1,3-Dichlorobenzene	150000	U
106-46-7	1,4-Dichlorobenzene	150000	U
100-51-6	Benzyl Alcohol	150000	U
95-50-1	1,2-Dichlorobenzene	150000	U
95-48-7	2-Methylphenol	150000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	150000	U
106-44-5	4-Methylphenol	150000	U
621-64-7	N-Nitroso-Di-n-Propylamine	150000	U
67-72-1	Hexachloroethane	150000	U
98-95-3	Nitrobenzene	150000	U
78-59-1	Isophorone	150000	U
88-75-5	2-Nitrophenol	150000	U
105-67-9	2,4-Dimethylphenol	150000	U
65-85-0	Benzoic Acid	730000	U
111-91-1	bis(2-Chloroethoxy) Methane	150000	U
120-83-2	2,4-Dichlorophenol	150000	U
120-82-1	1,2,4-Trichlorobenzene	150000	U
91-20-3	Naphthalene	150000	U
106-47-8	4-Chloroaniline	150000	U
87-68-3	Hexachlorobutadiene	150000	U
59-50-7	4-Chloro-3-Methylphenol	150000	U
91-57-6	2-Methylnaphthalene	150000	U
77-47-4	Hexachlorocyclopentadiene	150000	U
88-06-2	2,4,6-Trichlorophenol	150000	U
95-95-4	2,4,5-Trichlorophenol	730000	U
91-58-7	2-Chloronaphthalene	150000	U
88-74-4	2-Nitroaniline	730000	U
131-11-3	Dimethyl Phthalate	150000	U
208-96-8	Acenaphthylene	150000	U
606-20-2	2,6-Dinitrotoluene	150000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB403DL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76380DL
 Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10822D
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 30 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/22/91
 QC Cleanup: (Y/N) N pH: Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	730000	U
83-32-9	Acenaphthene	150000	U
51-28-5	2,4-Dinitrophenol	730000	U
100-02-7	4-Nitrophenol	730000	U
132-64-9	Dibenzofuran	150000	U
121-14-2	2,4-Dinitrotoluene	150000	U
84-66-2	Diethylphthalate	150000	U
7005-72-3	4-Chlorophenyl-phenylether	150000	U
86-73-7	Fluorene	150000	U
100-10-6	4-Nitroaniline	730000	U
534-52-1	4,6-Dinitro-2-Methylphenol	730000	U
86-30-6	N-Nitrosodiphenylamine (1)	150000	U
101-55-3	4-Bromophenyl-phenylether	150000	U
118-74-1	Hexachlorobenzene	150000	U
87-86-5	Pentachlorophenol	1900000	D
85-01-8	Phenanthrene	150000	U
120-12-7	Anthracene	150000	U
84-74-2	Di-n-Butylphthalate	150000	U
206-44-0	Fluoranthene	150000	U
129-00-0	Pyrene	150000	U
85-68-7	Butylbenzylphthalate	150000	U
91-94-1	3,3'-Dichlorobenzidine	300000	U
56-55-3	Benzo(a)Anthracene	150000	U
218-01-9	Chrysene	150000	U
117-81-7	bis(2-Ethylhexyl) Phthalate	150000	U
117-84-0	Di-n-Octyl Phthalate	150000	U
205-99-2	Benzo(b)Fluoranthene	150000	U
207-08-9	Benzo(k)Fluoranthene	150000	U
50-32-8	Benzo(a)Pyrene	150000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	150000	U
53-70-3	Dibenz(a,h)Anthracene	150000	U
191-24-2	Benzo(g,h,i)Perylene	150000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB403DL

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76380DL

Sample wt/vol: 1.5 (g/mL) G

Lab File ID: 2BN10822D

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 30 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/22/91

PC Cleanup: (Y/N) N pH:

Dilution Factor: 8.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB404

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76381

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: 2BN10820H

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 15 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

GC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	23000	U
111-44-4-----	bis(2-Chloroethyl) Ether	23000	U
95-57-8-----	2-Chlorophenol	23000	U
541-73-1-----	1,3-Dichlorobenzene	23000	U
106-46-7-----	1,4-Dichlorobenzene	23000	U
100-51-6-----	Benzyl Alcohol	23000	U
95-50-1-----	1,2-Dichlorobenzene	23000	U
95-48-7-----	2-Methylphenol	23000	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	23000	U
106-44-5-----	4-Methylphenol	23000	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	23000	U
67-72-1-----	Hexachloroethane	23000	U
98-95-3-----	Nitrobenzene	23000	U
78-59-1-----	Isophorone	23000	U
88-75-5-----	2-Nitrophenol	23000	U
105-67-9-----	2,4-Dimethylphenol	23000	U
65-85-0-----	Benzoic Acid	110000	U
111-91-1-----	bis(2-Chloroethoxy) Methane	23000	U
120-83-2-----	2,4-Dichlorophenol	23000	U
120-82-1-----	1,2,4-Trichlorobenzene	23000	U
91-20-3-----	Naphthalene	23000	U
106-47-8-----	4-Chloroaniline	23000	U
87-68-3-----	Hexachlorobutadiene	23000	U
59-50-7-----	4-Chloro-3-Methylphenol	23000	U
91-57-6-----	2-Methylnaphthalene	23000	U
77-47-4-----	Hexachlorocyclopentadiene	23000	U
88-06-2-----	2,4,6-Trichlorophenol	23000	U
95-95-4-----	2,4,5-Trichlorophenol	110000	U
91-58-7-----	2-Chloronaphthalene	23000	U
88-74-4-----	2-Nitroaniline	110000	U
131-11-3-----	Dimethyl Phthalate	23000	U
208-96-8-----	Acenaphthylene	23000	U
606-20-2-----	2,6-Dinitrotoluene	23000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB404

b Name: WEYERHAEUSER Contract: 8270
 b Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76381
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: 2BN10820H
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 15 dec. Date Extracted: 08/19/91
 Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	110000	U
83-32-9	Acenaphthene	23000	U
51-28-5	2,4-Dinitrophenol	110000	U
100-02-7	4-Nitrophenol	110000	U
132-64-9	Dibenzofuran	23000	U
121-14-2	2,4-Dinitrotoluene	23000	U
84-66-2	Diethylphthalate	23000	U
7005-72-3	4-Chlorophenyl-phenylether	23000	U
86-73-7	Fluorene	23000	U
100-10-6	4-Nitroaniline	110000	U
534-52-1	4,6-Dinitro-2-Methylphenol	110000	U
86-30-6	N-Nitrosodiphenylamine (1)	23000	U
101-55-3	4-Bromophenyl-phenylether	23000	U
118-74-1	Hexachlorobenzene	23000	U
87-86-5	Pentachlorophenol	24000	J
85-01-8	Phenanthrene	23000	U
120-12-7	Anthracene	23000	U
84-74-2	Di-n-Butylphthalate	23000	U
206-44-0	Fluoranthene	23000	U
129-00-0	Pyrene	23000	U
85-68-7	Butylbenzylphthalate	23000	U
91-94-1	3,3'-Dichlorobenzidine	47000	U
56-55-3	Benzo(a)Anthracene	23000	U
218-01-9	Chrysene	23000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	23000	U
117-84-0	Di-n-Octyl Phthalate	23000	U
205-99-2	Benzo(b)Fluoranthene	23000	U
207-08-9	Benzo(k)Fluoranthene	23000	U
50-32-8	Benzo(a)Pyrene	23000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	23000	U
53-70-3	Dibenz(a,h)Anthracene	23000	U
191-24-2	Benzo(g,h,i)Perylene	23000	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB404

Client Name: WEYERHAEUSER Contract: 8270
Client Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
Matrix: (soil/water) SOIL Lab Sample ID: 76381
Sample wt/vol: 1.0 (g/mL) G Lab File ID: 2BN10820H
Level: (low/med) MED Date Received: 08/19/91
Moisture: not dec. 15 dec. Date Extracted: 08/19/91
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
Cleanup: (Y/N) N pH: Dilution Factor: 1.0

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB405

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76382

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: 2BN10820I

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 20 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

GC Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2	Phenol	19000	U
111-44-4	bis(2-Chloroethyl) Ether	19000	U
95-57-8	2-Chlorophenol	19000	U
541-73-1	1,3-Dichlorobenzene	19000	U
106-46-7	1,4-Dichlorobenzene	19000	U
100-51-6	Benzyl Alcohol	19000	U
95-50-1	1,2-Dichlorobenzene	19000	U
95-48-7	2-Methylphenol	19000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	19000	U
106-44-5	4-Methylphenol	19000	U
621-64-7	N-Nitroso-Di-n-Propylamine	19000	U
67-72-1	Hexachloroethane	19000	U
98-95-3	Nitrobenzene	19000	U
78-59-1	Isophorone	19000	U
88-75-5	2-Nitrophenol	19000	U
105-67-9	2,4-Dimethylphenol	19000	U
65-85-0	Benzoic Acid	92000	U
111-91-1	bis(2-Chloroethoxy) Methane	19000	U
120-83-2	2,4-Dichlorophenol	19000	U
120-82-1	1,2,4-Trichlorobenzene	19000	U
91-20-3	Naphthalene	19000	U
106-47-8	4-Chloroaniline	19000	U
87-68-3	Hexachlorobutadiene	19000	U
59-50-7	4-Chloro-3-Methylphenol	19000	U
91-57-6	2-Methylnaphthalene	19000	U
77-47-4	Hexachlorocyclopentadiene	19000	U
88-06-2	2,4,6-Trichlorophenol	19000	U
95-95-4	2,4,5-Trichlorophenol	92000	U
91-58-7	2-Chloronaphthalene	19000	U
88-74-4	2-Nitroaniline	92000	U
131-11-3	Dimethyl Phthalate	19000	U
208-96-8	Acenaphthylene	19000	U
606-20-2	2,6-Dinitrotoluene	19000	U

IC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB405

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76382
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10820I
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 20 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2-----	3-Nitroaniline	92000	U
83-32-9-----	Acenaphthene	19000	U
51-28-5-----	2,4-Dinitrophenol	92000	U
100-02-7-----	4-Nitrophenol	92000	U
132-64-9-----	Dibenzofuran	19000	U
121-14-2-----	2,4-Dinitrotoluene	19000	U
84-66-2-----	Diethylphthalate	19000	U
7005-72-3-----	4-Chlorophenyl-phenylether	19000	U
86-73-7-----	Fluorene	19000	U
100-10-6-----	4-Nitroaniline	92000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	92000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	19000	U
101-55-3-----	4-Bromophenyl-phenylether	19000	U
118-74-1-----	Hexachlorobenzene	19000	U
87-86-5-----	Pentachlorophenol	620000	E
85-01-8-----	Phenanthrene	19000	U
120-12-7-----	Anthracene	19000	U
84-74-2-----	Di-n-Butylphthalate	19000	U
206-44-0-----	Fluoranthene	19000	U
129-00-0-----	Pyrene	19000	U
85-68-7-----	Butylbenzylphthalate	19000	U
91-94-1-----	3,3'-Dichlorobenzidine	38000	U
56-55-3-----	Benzo(a) Anthracene	19000	U
218-01-9-----	Chrysene	51000	B
117-81-7-----	bis(2-Ethylhexyl) Phthalate	19000	U
117-84-0-----	Di-n-Octyl Phthalate	19000	U
205-99-2-----	Benzo(b) Fluoranthene	19000	U
207-08-9-----	Benzo(k) Fluoranthene	19000	U
50-32-8-----	Benzo(a) Pyrene	19000	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	19000	U
53-70-3-----	Dibenz(a,h) Anthracene	19000	U
191-24-2-----	Benzo(g,h,i) Perylene	19000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB405

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76382
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10820I
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 20 dec. Date Extracted: 08/19/91
 Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.20	34000	JX
2. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	21.64	7600	JX
3.	UNKNOWN	32.66	20000	JX
4.	UNKNOWN	32.97	22000	JX
5. 3268-87-9	DIBENZO[B,E][1,4]DIOXIN, OCT	36.47	34000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB405DL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76382DL
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10822B
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 20 dec. Date Extracted: 08/21/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/22/91
 PC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	76000	U
111-44-4	bis(2-Chloroethyl) Ether	76000	U
95-57-8	2-Chlorophenol	76000	U
541-73-1	1,3-Dichlorobenzene	76000	U
106-46-7	1,4-Dichlorobenzene	76000	U
100-51-6	Benzyl Alcohol	76000	U
95-50-1	1,2-Dichlorobenzene	76000	U
95-48-7	2-Methylphenol	76000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	76000	U
106-44-5	4-Methylphenol	76000	U
621-64-7	N-Nitroso-Di-n-Propylamine	76000	U
67-72-1	Hexachloroethane	76000	U
98-95-3	Nitrobenzene	76000	U
78-59-1	Isophorone	76000	U
88-75-5	2-Nitrophenol	76000	U
105-67-9	2,4-Dimethylphenol	76000	U
65-85-0	Benzoic Acid	370000	U
111-91-1	bis(2-Chloroethoxy) Methane	76000	U
120-83-2	2,4-Dichlorophenol	76000	U
120-82-1	1,2,4-Trichlorobenzene	76000	U
91-20-3	Naphthalene	76000	U
106-47-8	4-Chloroaniline	76000	U
87-68-3	Hexachlorobutadiene	76000	U
59-50-7	4-Chloro-3-Methylphenol	76000	U
91-57-6	2-Methylnaphthalene	76000	U
77-47-4	Hexachlorocyclopentadiene	76000	U
88-06-2	2,4,6-Trichlorophenol	76000	U
95-95-4	2,4,5-Trichlorophenol	370000	U
91-58-7	2-Chloronaphthalene	76000	U
88-74-4	2-Nitroaniline	370000	U
131-11-3	Dimethyl Phthalate	76000	U
208-96-8	Acenaphthylene	76000	U
606-20-2	2,6-Dinitrotoluene	76000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB405DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76382DL

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: 2BN10822B

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 20 dec.

Date Extracted: 08/21/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/22/91

Cleanup: (Y/N) N pH:

Dilution Factor: 4.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND UG/KG Q

99-09-2	3-Nitroaniline	370000	U
83-32-9	Acenaphthene	76000	U
51-28-5	2,4-Dinitrophenol	370000	U
100-02-7	4-Nitrophenol	370000	U
132-64-9	Dibenzofuran	76000	U
121-14-2	2,4-Dinitrotoluene	76000	U
84-66-2	Diethylphthalate	76000	U
7005-72-3	4-Chlorophenyl-phenylether	76000	U
86-73-7	Fluorene	76000	U
100-10-6	4-Nitroaniline	370000	U
534-52-1	4,6-Dinitro-2-Methylphenol	370000	U
86-30-6	N-Nitrosodiphenylamine (1)	76000	U
101-55-3	4-Bromophenyl-phenylether	76000	U
118-74-1	Hexachlorobenzene	76000	U
87-86-5	Pentachlorophenol	590000	D
85-01-8	Phenanthrene	76000	U
120-12-7	Anthracene	76000	U
84-74-2	Di-n-Butylphthalate	76000	U
206-44-0	Fluoranthene	76000	U
129-00-0	Pyrene	76000	U
85-68-7	Butylbenzylphthalate	76000	U
91-94-1	3,3'-Dichlorobenzidine	150000	U
56-55-3	Benzo(a)Anthracene	76000	U
218-01-9	Chrysene	47000	BDJ
117-81-7	bis(2-Ethylhexyl)Phthalate	76000	U
117-84-0	Di-n-Octyl Phthalate	76000	U
205-99-2	Benzo(b)Fluoranthene	76000	U
207-08-9	Benzo(k)Fluoranthene	76000	U
50-32-8	Benzo(a)Pyrene	76000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	76000	U
53-70-3	Dibenz(a,h)Anthracene	76000	U
191-24-2	Benzo(g,h,i)Perylene	76000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB405DL

Lab Name: WEYERHAEUSER	Contract: 8270		
Lab Code: WEYER	Case No.: 06503	SAS No.:	SDG No.: 76378
Matrix: (soil/water) SOIL	Lab Sample ID: 76382DL		
Sample wt/vol: 1.3 (g/mL) G	Lab File ID: 2BN10822B		
Level: (low/med) MED	Date Received: 08/19/91		
Moisture: not dec. 20 dec.	Date Extracted: 08/21/91		
Extraction: (SepF/Cont/Sonc) SONC	Date Analyzed: 08/22/91		
GC Cleanup: (Y/N) N	pH:	Dilution Factor: 4.0	

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB406

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76383

Sample wt/vol: 1.2 (g/mL) G

Lab File ID: 2BN10820J

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 26 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

GC Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	22000	U
111-44-4	bis(2-Chloroethyl) Ether	22000	U
95-57-8	2-Chlorophenol	22000	U
541-73-1	1,3-Dichlorobenzene	22000	U
106-46-7	1,4-Dichlorobenzene	22000	U
100-51-6	Benzyl Alcohol	22000	U
95-50-1	1,2-Dichlorobenzene	22000	U
95-48-7	2-Methylphenol	22000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	22000	U
106-44-5	4-Methylphenol	22000	U
621-64-7	N-Nitroso-Di-n-Propylamine	22000	U
67-72-1	Hexachloroethane	22000	U
98-95-3	Nitrobenzene	22000	U
78-59-1	Isophorone	22000	U
88-75-5	2-Nitrophenol	22000	U
105-67-9	2,4-Dimethylphenol	22000	U
65-85-0	Benzoic Acid	110000	U
111-91-1	bis(2-Chloroethoxy) Methane	22000	U
120-83-2	2,4-Dichlorophenol	22000	U
120-82-1	1,2,4-Trichlorobenzene	22000	U
91-20-3	Naphthalene	22000	U
106-47-8	4-Chloroaniline	22000	U
87-68-3	Hexachlorobutadiene	22000	U
59-50-7	4-Chloro-3-Methylphenol	22000	U
91-57-6	2-Methylnaphthalene	22000	U
77-47-4	Hexachlorocyclopentadiene	22000	U
88-06-2	2,4,6-Trichlorophenol	6500	J
95-95-4	2,4,5-Trichlorophenol	6300	J
91-58-7	2-Chloronaphthalene	22000	U
88-74-4	2-Nitroaniline	110000	U
131-11-3	Dimethyl Phthalate	22000	U
208-96-8	Acenaphthylene	22000	U
606-20-2	2,6-Dinitrotoluene	22000	U

IC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB406

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76383
 Sample wt/vol: 1.2 (g/mL) G Lab File ID: 2BN10820J
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 26 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	110000	U
83-32-9	Acenaphthene	22000	U
51-28-5	2,4-Dinitrophenol	110000	U
100-02-7	4-Nitrophenol	110000	U
132-64-9	Dibenzofuran	22000	U
121-14-2	2,4-Dinitrotoluene	22000	U
84-66-2	Diethylphthalate	22000	U
7005-72-3	4-Chlorophenyl-phenylether	22000	U
86-73-7	Fluorene	22000	U
100-10-6	4-Nitroaniline	110000	U
534-52-1	4,6-Dinitro-2-Methylphenol	110000	U
86-30-6	N-Nitrosodiphenylamine (1)	22000	U
101-55-3	4-Bromophenyl-phenylether	22000	U
118-74-1	Hexachlorobenzene	22000	U
87-86-5	Pentachlorophenol	1600000	E
85-01-8	Phenanthrene	22000	U
120-12-7	Anthracene	22000	U
84-74-2	Di-n-Butylphthalate	22000	U
206-44-0	Fluoranthene	22000	U
129-00-0	Pyrene	22000	U
85-68-7	Butylbenzylphthalate	22000	U
91-94-1	3,3'-Dichlorobenzidine	45000	U
56-55-3	Benzo(a)Anthracene	22000	U
218-01-9	Chrysene	2900	BJ
117-81-7	bis(2-Ethylhexyl)Phthalate	22000	U
117-84-0	Di-n-Octyl Phthalate	22000	U
205-99-2	Benzo(b)Fluoranthene	22000	U
207-08-9	Benzo(k)Fluoranthene	22000	U
50-32-8	Benzo(a)Pyrene	22000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	22000	U
53-70-3	Dibenz(a,h)Anthracene	22000	U
191-24-2	Benzo(g,h,i)Perylene	22000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB406

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76383
 Sample wt/vol: 1.2 (g/mL) G Lab File ID: 2BN10820J
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 26 dec. Date Extracted: 08/19/91
 Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.24	140000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB406DL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76383DL
 Sample wt/vol: 1.2 (g/mL) G Lab File ID: 2BN10822C
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 26 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/22/91
 PC Cleanup: (Y/N) N pH: Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	180000	U
111-44-4	bis(2-Chloroethyl) Ether	180000	U
95-57-8	2-Chlorophenol	180000	U
541-73-1	1,3-Dichlorobenzene	180000	U
106-46-7	1,4-Dichlorobenzene	180000	U
100-51-6	Benzyl Alcohol	180000	U
95-50-1	1,2-Dichlorobenzene	180000	U
95-48-7	2-Methylphenol	180000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	180000	U
106-44-5	4-Methylphenol	180000	U
621-64-7	N-Nitroso-Di-n-Propylamine	180000	U
67-72-1	Hexachloroethane	180000	U
98-95-3	Nitrobenzene	180000	U
78-59-1	Isophorone	180000	U
88-75-5	2-Nitrophenol	180000	U
105-67-9	2,4-Dimethylphenol	180000	U
65-85-0	Benzoic Acid	870000	U
111-91-1	bis(2-Chloroethoxy) Methane	180000	U
120-83-2	2,4-Dichlorophenol	180000	U
120-82-1	1,2,4-Trichlorobenzene	180000	U
91-20-3	Naphthalene	180000	U
106-47-8	4-Chloroaniline	180000	U
87-68-3	Hexachlorobutadiene	180000	U
59-50-7	4-Chloro-3-Methylphenol	180000	U
91-57-6	2-Methylnaphthalene	180000	U
77-47-4	Hexachlorocyclopentadiene	180000	U
88-06-2	2,4,6-Trichlorophenol	180000	U
95-95-4	2,4,5-Trichlorophenol	870000	U
91-58-7	2-Chloronaphthalene	180000	U
88-74-4	2-Nitroaniline	870000	U
131-11-3	Dimethyl Phthalate	180000	U
208-96-8	Acenaphthylene	180000	U
606-20-2	2,6-Dinitrotoluene	180000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB406DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: 76383DL

Sample wt/vol: 1.2 (g/mL) G

Lab File ID: 2BN10822C

Level: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 26 dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/22/91

GC Cleanup: (Y/N) N pH:

Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND UG/KG Q

99-09-2-----	3-Nitroaniline	870000	U
83-32-9-----	Acenaphthene	180000	U
51-28-5-----	2,4-Dinitrophenol	870000	U
100-02-7-----	4-Nitrophenol	870000	U
132-64-9-----	Dibenzofuran	180000	U
121-14-2-----	2,4-Dinitrotoluene	180000	U
84-66-2-----	Diethylphthalate	180000	U
7005-72-3-----	4-Chlorophenyl-phenylether	180000	U
86-73-7-----	Fluorene	180000	U
100-10-6-----	4-Nitroaniline	870000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	870000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	180000	U
101-55-3-----	4-Bromophenyl-phenylether	180000	U
118-74-1-----	Hexachlorobenzene	180000	U
87-86-5-----	Pentachlorophenol	2300000	D
85-01-8-----	Phenanthrene	180000	U
120-12-7-----	Anthracene	180000	U
84-74-2-----	Di-n-Butylphthalate	180000	U
206-44-0-----	Fluoranthene	180000	U
129-00-0-----	Pyrene	180000	U
85-68-7-----	Butylbenzylphthalate	180000	U
91-94-1-----	3,3'-Dichlorobenzidine	360000	U
56-55-3-----	Benzo(a)Anthracene	180000	U
218-01-9-----	Chrysene	180000	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	180000	U
117-84-0-----	Di-n-Octyl Phthalate	180000	U
205-99-2-----	Benzo(b) Fluoranthene	180000	U
207-08-9-----	Benzo(k) Fluoranthene	180000	U
50-32-8-----	Benzo(a) Pyrene	180000	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	180000	U
53-70-3-----	Dibenz(a,h) Anthracene	180000	U
191-24-2-----	Benzo(g,h,i) Perylene	180000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB406DL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76383DL
 Sample wt/vol: 1.2 (g/mL) G Lab File ID: 2BN10822C
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 26 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/22/91
 PC Cleanup: (Y/N) N pH: Dilution Factor: 8.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKS1

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: 2BN10820D

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 08/19/91

Reaction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl) Ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
100-51-6	Benzyl Alcohol	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
95-48-7	2-Methylphenol	20000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	20000	U
106-44-5	4-Methylphenol	20000	U
621-64-7	N-Nitroso-Di-n-Propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
65-85-0	Benzoic Acid	96000	U
111-91-1	bis(2-Chloroethoxy) Methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	20000	U
106-47-8	4-Chloroaniline	20000	U
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-Methylphenol	20000	U
91-57-6	2-Methylnaphthalene	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
95-95-4	2,4,5-Trichlorophenol	96000	U
91-58-7	2-Chloronaphthalene	20000	U
88-74-4	2-Nitroaniline	96000	U
131-11-3	Dimethyl Phthalate	20000	U
208-96-8	Acenaphthylene	20000	U
606-20-2	2,6-Dinitrotoluene	20000	U

IC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: 2BN10820D
 Level: (low/med) MED Date Received:
 Moisture: not dec. dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 HPC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

99-09-2-----	3-Nitroaniline	96000	U
83-32-9-----	Acenaphthene	20000	U
51-28-5-----	2,4-Dinitrophenol	96000	U
100-02-7-----	4-Nitrophenol	96000	U
132-64-9-----	Dibenzofuran	20000	U
121-14-2-----	2,4-Dinitrotoluene	20000	U
84-66-2-----	Diethylphthalate	20000	U
7005-72-3-----	4-Chlorophenyl-phenylether	20000	U
86-73-7-----	Fluorene	20000	U
100-10-6-----	4-Nitroaniline	96000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	96000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	20000	U
101-55-3-----	4-Bromophenyl-phenylether	20000	U
118-74-1-----	Hexachlorobenzene	20000	U
87-86-5-----	Pentachlorophenol	96000	U
85-01-8-----	Phenanthrene	20000	U
120-12-7-----	Anthracene	20000	U
84-74-2-----	Di-n-Butylphthalate	20000	U
206-44-0-----	Fluoranthene	20000	U
129-00-0-----	Pyrene	20000	U
85-68-7-----	Butylbenzylphthalate	20000	U
91-94-1-----	3,3'-Dichlorobenzidine	40000	U
56-55-3-----	Benzo(a)Anthracene	20000	U
218-01-9-----	Chrysene	31000	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	20000	U
117-84-0-----	Di-n-Octyl Phthalate	20000	U
205-99-2-----	Benzo(b)Fluoranthene	20000	U
207-08-9-----	Benzo(k)Fluoranthene	20000	U
50-32-8-----	Benzo(a)Pyrene	20000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	20000	U
53-70-3-----	Dibenz(a,h)Anthracene	20000	U
191-24-2-----	Benzo(g,h,i)Perylene	20000	U

(1) - Cannot be separated from Diphenylamine

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

Client Name: WEYERHAEUSER

Contract: 8270

Client Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: 2BN10820D

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 08/19/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

GC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB406MS

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76383MS
 Sample wt/vol: 1.2 (g/mL) G Lab File ID: 2BN10820K
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 26 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 PC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	22000	U
111-44-4	bis(2-Chloroethyl) Ether	22000	U
95-57-8	2-Chlorophenol	22000	U
541-73-1	1,3-Dichlorobenzene	22000	U
106-46-7	1,4-Dichlorobenzene	22000	U
100-51-6	Benzyl Alcohol	22000	U
95-50-1	1,2-Dichlorobenzene	22000	U
95-48-7	2-Methylphenol	22000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	22000	U
106-44-5	4-Methylphenol	22000	U
621-64-7	N-Nitroso-Di-n-Propylamine	22000	U
67-72-1	Hexachloroethane	22000	U
98-95-3	Nitrobenzene	22000	U
78-59-1	Isophorone	22000	U
88-75-5	2-Nitrophenol	22000	U
105-67-9	2,4-Dimethylphenol	22000	U
65-85-0	Benzoic Acid	110000	U
111-91-1	bis(2-Chloroethoxy)Methane	22000	U
120-83-2	2,4-Dichlorophenol	22000	U
120-82-1	1,2,4-Trichlorobenzene	22000	U
91-20-3	Naphthalene	22000	U
106-47-8	4-Chloroaniline	22000	U
87-68-3	Hexachlorobutadiene	22000	U
59-50-7	4-Chloro-3-Methylphenol	22000	U
91-57-6	2-Methylnaphthalene	22000	U
77-47-4	Hexachlorocyclopentadiene	22000	U
88-06-2	2,4,6-Trichlorophenol	22000	U
95-95-4	2,4,5-Trichlorophenol	12000	J
91-58-7	2-Chloronaphthalene	22000	U
88-74-4	2-Nitroaniline	110000	U
131-11-3	Dimethyl Phthalate	22000	U
208-96-8	Acenaphthylene	22000	U
606-20-2	2,6-Dinitrotoluene	22000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB406MS

b Name: WEYERHAEUSER Contract: 8270
 b Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378
 Matrix: (soil/water) SOIL Lab Sample ID: 76383MS
 Sample wt/vol: 1.2 (g/mL) G Lab File ID: 2BN10820K
 Level: (low/med) MED Date Received: 08/19/91
 Moisture: not dec. 26 dec. Date Extracted: 08/19/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	110000	U
83-32-9	Acenaphthene	22000	U
51-28-5	2,4-Dinitrophenol	110000	U
100-02-7	4-Nitrophenol	110000	U
132-64-9	Dibenzofuran	22000	U
121-14-2	2,4-Dinitrotoluene	22000	U
84-66-2	Diethylphthalate	22000	U
7005-72-3	4-Chlorophenyl-phenylether	22000	U
86-73-7	Fluorene	22000	U
100-10-6	4-Nitroaniline	110000	U
534-52-1	4,6-Dinitro-2-Methylphenol	110000	U
86-30-6	N-Nitrosodiphenylamine (1)	22000	U
101-55-3	4-Bromophenyl-phenylether	22000	U
118-74-1	Hexachlorobenzene	22000	U
87-86-5	Pentachlorophenol	110000	U
85-01-8	Phenanthrene	22000	U
120-12-7	Anthracene	22000	U
84-74-2	Di-n-Butylphthalate	22000	U
206-44-0	Fluoranthene	22000	U
129-00-0	Pyrene	22000	U
85-68-7	Butylbenzylphthalate	22000	U
91-94-1	3,3'-Dichlorobenzidine	45000	U
56-55-3	Benzo(a)Anthracene	22000	U
218-01-9	Chrysene	22000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	22000	U
117-84-0	Di-n-Octyl Phthalate	22000	U
205-99-2	Benzo(b)Fluoranthene	22000	U
207-08-9	Benzo(k)Fluoranthene	22000	U
50-32-8	Benzo(a)Pyrene	22000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	22000	U
53-70-3	Dibenz(a,h)Anthracene	22000	U
191-24-2	Benzo(g,h,i)Perylene	22000	U

(1) - Cannot be separated from Diphenylamine

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Level: (low/med) MED

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	WAB401	79	73	72	66	68	73	0	0
02	WAB401DL	58	64	57	49	52	60	0	0
03	WAB402	77	89	76	73	71	91	0	0
04	WAB402DL	69	69	60	55	58	65	0	0
05	WAB403	86	84	75	70	72	88	0	0
06	WAB403DL	83	81	78	65	68	73	0	0
07	WAB404	83	77	71	72	77	70	0	0
08	WAB405	74	77	73	69	72	75	0	0
09	WAB405DL	80	76	72	64	68	68	0	0
10	WAB406	73	73	70	62	63	74	0	0
11	WAB406DL	82	77	77	64	67	75	0	0
12	WAB406MS	78	72	69	70	73	73	0	0
13	SBLKS1	58	54	72	50	52	64	0	0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

Matrix Spike - EPA Sample No.: WAB406

Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	226000	0	156000	69	26- 90
2-Chlorophenol	226000	0	162000	72	25-102
1,4-Dichlorobenzene	226000	0	64100	28	28 104
N-Nitroso-di-n-prop. (1)	226000	0	115000	51	41 126
1,2,4-Trichlorobenzene	226000	0	71800	32 *	38 107
4-Chloro-3-methylphenol	226000	0	177000	78	26 103
Acenaphthene	226000	0	87300	39	31-137
4-Nitrophenol	226000	0	171000	76	11-114
2,4-Dinitrotoluene	226000	0	85800	38 41	28- 89
Pentachlorophenol	226000	1570000	736000	369 *	17-109
Pyrene	226000	0	88500	39	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	100	0	0 *	200 *	35	26- 90
2-Chlorophenol	100	0	0 *	200 *	50	25-102
1,4-Dichlorobenzene	100	0	0 *	200 *	27	28 104
N-Nitroso-di-n-prop. (1)	100	0	0 *	200 *	38	41 126
1,2,4-Trichlorobenzene	100	0	0 *	200 *	23	38 107
4-Chloro-3-methylphenol	100	0	0 *	200 *	33	26 103
Acenaphthene	100	0	0 *	200 *	19	31-137
4-Nitrophenol	100	0	0 *	200 *	50	11-114
2,4-Dinitrotoluene	100	0	0 *	200 *	47	28- 89
Pentachlorophenol	100	0	-999 *	-92 *	47	17-109
Pyrene	100	0	0 *	200 *	36	35-142

1) N-Nitroso-di-n-propylamine

JMS
8/26/91

Column to be used to flag recovery and RPD values with an asterisk
Values outside of QC limits

RPD: ~~11~~ out of ~~11~~ outside limits
Spike Recovery: ~~13~~ out of ~~22~~ outside limits JMS 8/26/91

COMMENTS: 76383 WAB406
40(2.5)320@8(2) INST=FINN2



Date August 27, 1991
From Dennis Catalano
Location Tacoma, WTC 2F25
Subject SR# 06546 Olympus Environmental - Weyerhaeuser - Aberdeen
To Mick McCourt WTC 2H4

Attached are the results from the samples you requested we analyze for Pentachlorophenol by 8270. If you have any questions about the results please contact me at 924-6521.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.

A handwritten signature in cursive script, appearing to read "Dennis Catalano".

Dennis Catalano
Analytical Chemistry Laboratories

Attachment

cc: Gary Roethler WTC 2H4

A large black rectangular redaction box covering several lines of text.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB501

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76619

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: BN0825F

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 13 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

Cleanup: (Y/N) N

pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2	Phenol	16000	U
111-44-4	bis(2-Chloroethyl) Ether	16000	U
95-57-8	2-Chlorophenol	16000	U
541-73-1	1,3-Dichlorobenzene	16000	U
106-46-7	1,4-Dichlorobenzene	16000	U
100-51-6	Benzyl Alcohol	16000	U
95-50-1	1,2-Dichlorobenzene	16000	U
95-48-7	2-Methylphenol	16000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	16000	U
106-44-5	4-Methylphenol	16000	U
621-64-7	N-Nitroso-Di-n-Propylamine	16000	U
67-72-1	Hexachloroethane	16000	U
98-95-3	Nitrobenzene	16000	U
78-59-1	Isophorone	16000	U
88-75-5	2-Nitrophenol	16000	U
105-67-9	2,4-Dimethylphenol	16000	U
65-85-0	Benzoic Acid	79000	U
111-91-1	bis(2-Chloroethoxy) Methane	16000	U
120-83-2	2,4-Dichlorophenol	16000	U
120-82-1	1,2,4-Trichlorobenzene	16000	U
91-20-3	Naphthalene	16000	U
106-47-8	4-Chloroaniline	16000	U
87-68-3	Hexachlorobutadiene	16000	U
59-50-7	4-Chloro-3-Methylphenol	16000	U
91-57-6	2-Methylnaphthalene	16000	U
77-47-4	Hexachlorocyclopentadiene	16000	U
88-06-2	2,4,6-Trichlorophenol	16000	U
95-95-4	2,4,5-Trichlorophenol	420000	E
91-58-7	2-Chloronaphthalene	16000	U
88-74-4	2-Nitroaniline	79000	U
131-11-3	Dimethyl Phthalate	16000	U
208-96-8	Acenaphthylene	16000	U
606-20-2	2,6-Dinitrotoluene	16000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB501

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76619

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: BN0825F

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 13 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
99-09-2	3-Nitroaniline	79000	U
83-32-9	Acenaphthene	16000	U
51-28-5	2,4-Dinitrophenol	79000	U
100-02-7	4-Nitrophenol	79000	U
132-64-9	Dibenzofuran	16000	U
121-14-2	2,4-Dinitrotoluene	16000	U
84-66-2	Diethylphthalate	16000	U
7005-72-3	4-Chlorophenyl-phenylether	16000	U
86-73-7	Fluorene	16000	U
100-10-6	4-Nitroaniline	79000	U
534-52-1	4,6-Dinitro-2-Methylphenol	79000	U
86-30-6	N-Nitrosodiphenylamine (1)	16000	U
101-55-3	4-Bromophenyl-phenylether	16000	U
118-74-1	Hexachlorobenzene	16000	U
87-86-5	Pentachlorophenol	3700000	E
85-01-8	Phenanthrene	16000	U
120-12-7	Anthracene	16000	U
84-74-2	Di-n-Butylphthalate	16000	U
206-44-0	Fluoranthene	16000	U
129-00-0	Pyrene	16000	U
85-68-7	Butylbenzylphthalate	16000	U
91-94-1	3,3'-Dichlorobenzidine	32000	U
56-55-3	Benzo(a)Anthracene	16000	U
218-01-9	Chrysene	16000	U
117-81-7	bis(2-Ethylhexyl) Phthalate	16000	U
117-84-0	Di-n-Octyl Phthalate	16000	U
205-99-2	Benzo(b) Fluoranthene	16000	U
207-08-9	Benzo(k) Fluoranthene	16000	U
50-32-8	Benzo(a) Pyrene	16000	U
193-39-5	Indeno(1,2,3-cd) Pyrene	16000	U
53-70-3	Dibenz(a,h) Anthracene	16000	U
191-24-2	Benzo(g,h,i) Perylene	16000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB501

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76619
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825F
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 13 dec. Date Extracted: 08/23/91
 Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

Number TICs found: 5
 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	17.87	390000	JX
2. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	21.29	9700	JX
3.	UNKNOWN	29.96	18000	JX
4.	UNKNOWN	31.84	31000	JX
5. 3268-87-9	DIBENZO[B,E][1,4]DIOXIN, OCT	36.36	11000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB501DL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76619DL
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825I
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 13 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 PC Cleanup: (Y/N) N pH: Dilution Factor: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330000	U
111-44-4	bis(2-Chloroethyl) Ether	330000	U
95-57-8	2-Chlorophenol	330000	U
541-73-1	1,3-Dichlorobenzene	330000	U
106-46-7	1,4-Dichlorobenzene	330000	U
100-51-6	Benzyl Alcohol	330000	U
95-50-1	1,2-Dichlorobenzene	330000	U
95-48-7	2-Methylphenol	330000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	330000	U
106-44-5	4-Methylphenol	330000	U
621-64-7	N-Nitroso-Di-n-Propylamine	330000	U
67-72-1	Hexachloroethane	330000	U
98-95-3	Nitrobenzene	330000	U
78-59-1	Isophorone	330000	U
88-75-5	2-Nitrophenol	330000	U
105-67-9	2,4-Dimethylphenol	330000	U
65-85-0	Benzoic Acid	1600000	U
111-91-1	bis(2-Chloroethoxy)Methane	330000	U
120-83-2	2,4-Dichlorophenol	330000	U
120-82-1	1,2,4-Trichlorobenzene	330000	U
91-20-3	Naphthalene	330000	U
106-47-8	4-Chloroaniline	330000	U
87-68-3	Hexachlorobutadiene	330000	U
59-50-7	4-Chloro-3-Methylphenol	330000	U
91-57-6	2-Methylnaphthalene	330000	U
77-47-4	Hexachlorocyclopentadiene	330000	U
88-06-2	2,4,6-Trichlorophenol	330000	U
95-95-4	2,4,5-Trichlorophenol	1600000	U
91-58-7	2-Chloronaphthalene	330000	U
88-74-4	2-Nitroaniline	1600000	U
131-11-3	Dimethyl Phthalate	330000	U
208-96-8	Acenaphthylene	330000	U
606-20-2	2,6-Dinitrotoluene	330000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB501DL

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76619DL
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825I
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 13 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND UG/KG Q

99-09-2	3-Nitroaniline	1600000	U
83-32-9	Acenaphthene	330000	U
51-28-5	2,4-Dinitrophenol	1600000	U
100-02-7	4-Nitrophenol	1600000	U
132-64-9	Dibenzofuran	330000	U
121-14-2	2,4-Dinitrotoluene	330000	U
84-66-2	Diethylphthalate	330000	U
7005-72-3	4-Chlorophenyl-phenylether	330000	U
86-73-7	Fluorene	330000	U
100-10-6	4-Nitroaniline	1600000	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600000	U
86-30-6	N-Nitrosodiphenylamine (1)	330000	U
101-55-3	4-Bromophenyl-phenylether	330000	U
118-74-1	Hexachlorobenzene	330000	U
87-86-5	Pentachlorophenol	1200000	DJ
85-01-8	Phenanthrene	330000	U
120-12-7	Anthracene	330000	U
84-74-2	Di-n-Butylphthalate	330000	U
206-44-0	Fluoranthene	330000	U
129-00-0	Pyrene	330000	U
85-68-7	Butylbenzylphthalate	330000	U
91-94-1	3,3'-Dichlorobenzidine	650000	U
56-55-3	Benzo(a)Anthracene	330000	U
218-01-9	Chrysene	330000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330000	U
117-84-0	Di-n-Octyl Phthalate	330000	U
205-99-2	Benzo(b)Fluoranthene	330000	U
207-08-9	Benzo(k)Fluoranthene	330000	U
50-32-8	Benzo(a)Pyrene	330000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330000	U
53-70-3	Dibenz(a,h)Anthracene	330000	U
191-24-2	Benzo(g,h,i)Perylene	330000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB501DL

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76619DL
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825I
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 13 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 POC Cleanup: (Y/N) N pH: Dilution Factor: 20

Number TICs found: 1
 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	17.87	130000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB502

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76620

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: BN0825E

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 12 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2	Phenol	16000	U
111-44-4	bis(2-Chloroethyl) Ether	16000	U
95-57-8	2-Chlorophenol	16000	U
541-73-1	1,3-Dichlorobenzene	16000	U
106-46-7	1,4-Dichlorobenzene	16000	U
100-51-6	Benzyl Alcohol	16000	U
95-50-1	1,2-Dichlorobenzene	16000	U
95-48-7	2-Methylphenol	16000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	16000	U
106-44-5	4-Methylphenol	16000	U
621-64-7	N-Nitroso-Di-n-Propylamine	16000	U
67-72-1	Hexachloroethane	16000	U
98-95-3	Nitrobenzene	16000	U
78-59-1	Isophorone	16000	U
88-75-5	2-Nitrophenol	16000	U
105-67-9	2,4-Dimethylphenol	16000	U
65-85-0	Benzoic Acid	78000	U
111-91-1	bis(2-Chloroethoxy)Methane	16000	U
120-83-2	2,4-Dichlorophenol	16000	U
120-82-1	1,2,4-Trichlorobenzene	16000	U
91-20-3	Naphthalene	16000	U
106-47-8	4-Chloroaniline	16000	U
87-68-3	Hexachlorobutadiene	16000	U
59-50-7	4-Chloro-3-Methylphenol	16000	U
91-57-6	2-Methylnaphthalene	16000	U
77-47-4	Hexachlorocyclopentadiene	16000	U
88-06-2	2,4,6-Trichlorophenol	16000	U
95-95-4	2,4,5-Trichlorophenol	78000	U
91-58-7	2-Chloronaphthalene	16000	U
88-74-4	2-Nitroaniline	78000	U
131-11-3	Dimethyl Phthalate	16000	U
208-96-8	Acenaphthylene	16000	U
606-20-2	2,6-Dinitrotoluene	16000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB502

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76620
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825E
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 12 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	78000	U
83-32-9	Acenaphthene	16000	U
51-28-5	2,4-Dinitrophenol	78000	U
100-02-7	4-Nitrophenol	78000	U
132-64-9	Dibenzofuran	16000	U
121-14-2	2,4-Dinitrotoluene	16000	U
84-66-2	Diethylphthalate	16000	U
7005-72-3	4-Chlorophenyl-phenylether	16000	U
86-73-7	Fluorene	16000	U
100-10-6	4-Nitroaniline	78000	U
534-52-1	4,6-Dinitro-2-Methylphenol	78000	U
86-30-6	N-Nitrosodiphenylamine (1)	16000	U
101-55-3	4-Bromophenyl-phenylether	16000	U
118-74-1	Hexachlorobenzene	16000	U
87-86-5	Pentachlorophenol	1600000	E
85-01-8	Phenanthrene	16000	U
120-12-7	Anthracene	16000	U
84-74-2	Di-n-Butylphthalate	16000	U
206-44-0	Fluoranthene	16000	U
129-00-0	Pyrene	16000	U
85-68-7	Butylbenzylphthalate	16000	U
91-94-1	3,3'-Dichlorobenzidine	32000	U
56-55-3	Benzo(a)Anthracene	16000	U
218-01-9	Chrysene	16000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	16000	U
117-84-0	Di-n-Octyl Phthalate	16000	U
205-99-2	Benzo(b)Fluoranthene	16000	U
207-08-9	Benzo(k)Fluoranthene	16000	U
50-32-8	Benzo(a)Pyrene	16000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	16000	U
53-70-3	Dibenz(a,h)Anthracene	16000	U
191-24-2	Benzo(g,h,i)Perylene	16000	U

(1) - Cannot be separated from Diphenylamine

IF
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB502

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76620

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: BN0825E

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 12 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB502DL

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76620DL
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825J
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 12 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CAS NO. COMPOUND CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG Q

108-95-2	Phenol	160000	U
111-44-4	bis(2-Chloroethyl) Ether	160000	U
95-57-8	2-Chlorophenol	160000	U
541-73-1	1,3-Dichlorobenzene	160000	U
106-46-7	1,4-Dichlorobenzene	160000	U
100-51-6	Benzyl Alcohol	160000	U
95-50-1	1,2-Dichlorobenzene	160000	U
95-48-7	2-Methylphenol	160000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	160000	U
106-44-5	4-Methylphenol	160000	U
621-64-7	N-Nitroso-Di-n-Propylamine	160000	U
67-72-1	Hexachloroethane	160000	U
98-95-3	Nitrobenzene	160000	U
78-59-1	Isophorone	160000	U
88-75-5	2-Nitrophenol	160000	U
105-67-9	2,4-Dimethylphenol	160000	U
65-85-0	Benzoic Acid	780000	U
111-91-1	bis(2-Chloroethoxy) Methane	160000	U
120-83-2	2,4-Dichlorophenol	160000	U
120-82-1	1,2,4-Trichlorobenzene	160000	U
91-20-3	Naphthalene	160000	U
106-47-8	4-Chloroaniline	160000	U
87-68-3	Hexachlorobutadiene	160000	U
59-50-7	4-Chloro-3-Methylphenol	160000	U
91-57-6	2-Methylnaphthalene	160000	U
77-47-4	Hexachlorocyclopentadiene	160000	U
88-06-2	2,4,6-Trichlorophenol	160000	U
95-95-4	2,4,5-Trichlorophenol	780000	U
91-58-7	2-Chloronaphthalene	160000	U
88-74-4	2-Nitroaniline	780000	U
131-11-3	Dimethyl Phthalate	160000	U
208-96-8	Acenaphthylene	160000	U
606-20-2	2,6-Dinitrotoluene	160000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB502DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76620DL

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: BN0825J

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 12 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

Cleanup: (Y/N) N pH:

Dilution Factor: 10.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----3-Nitroaniline	780000	U
83-32-9-----Acenaphthene	160000	U
51-28-5-----2,4-Dinitrophenol	780000	U
100-02-7-----4-Nitrophenol	780000	U
132-64-9-----Dibenzofuran	160000	U
121-14-2-----2,4-Dinitrotoluene	160000	U
84-66-2-----Diethylphthalate	160000	U
7005-72-3-----4-Chlorophenyl-phenylether	160000	U
86-73-7-----Fluorene	160000	U
100-10-6-----4-Nitroaniline	780000	U
534-52-1-----4,6-Dinitro-2-Methylphenol	780000	U
86-30-6-----N-Nitrosodiphenylamine (1)	160000	U
101-55-3-----4-Bromophenyl-phenylether	160000	U
118-74-1-----Hexachlorobenzene	160000	U
87-86-5-----Pentachlorophenol	560000	DJ
85-01-8-----Phenanthrene	160000	U
120-12-7-----Anthracene	160000	U
84-74-2-----Di-n-Butylphthalate	160000	U
206-44-0-----Fluoranthene	160000	U
129-00-0-----Pyrene	160000	U
85-68-7-----Butylbenzylphthalate	160000	U
91-94-1-----3,3'-Dichlorobenzidine	320000	U
56-55-3-----Benzo(a)Anthracene	160000	U
218-01-9-----Chrysene	160000	U
117-81-7-----bis(2-Ethylhexyl) Phthalate	160000	U
117-84-0-----Di-n-Octyl Phthalate	160000	U
205-99-2-----Benzo(b) Fluoranthene	160000	U
207-08-9-----Benzo(k) Fluoranthene	160000	U
50-32-8-----Benzo(a) Pyrene	160000	U
193-39-5-----Indeno(1,2,3-cd) Pyrene	160000	U
53-70-3-----Dibenz(a,h) Anthracene	160000	U
191-24-2-----Benzo(g,h,i) Perylene	160000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB502DL

Lab Name: WEYERHAEUSER Contract: 8270
Lab Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
Matrix: (soil/water) SOIL Lab Sample ID: 76620DL
Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825J
Level: (low/med) MED Date Received: 08/23/91
Moisture: not dec. 12 dec. Date Extracted: 08/23/91
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
PC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

WAB503

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76621
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825D
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 11 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	16000	U
111-44-4	bis(2-Chloroethyl) Ether	16000	U
95-57-8	2-Chlorophenol	16000	U
541-73-1	1,3-Dichlorobenzene	16000	U
106-46-7	1,4-Dichlorobenzene	16000	U
100-51-6	Benzyl Alcohol	16000	U
95-50-1	1,2-Dichlorobenzene	16000	U
95-48-7	2-Methylphenol	16000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	16000	U
106-44-5	4-Methylphenol	16000	U
621-64-7	N-Nitroso-Di-n-Propylamine	16000	U
67-72-1	Hexachloroethane	16000	U
98-95-3	Nitrobenzene	16000	U
78-59-1	Isophorone	16000	U
88-75-5	2-Nitrophenol	16000	U
105-67-9	2,4-Dimethylphenol	16000	U
65-85-0	Benzoic Acid	77000	U
111-91-1	bis(2-Chloroethoxy) Methane	16000	U
120-83-2	2,4-Dichlorophenol	16000	U
120-82-1	1,2,4-Trichlorobenzene	16000	U
91-20-3	Naphthalene	16000	U
106-47-8	4-Chloroaniline	16000	U
87-68-3	Hexachlorobutadiene	16000	U
59-50-7	4-Chloro-3-Methylphenol	16000	U
91-57-6	2-Methylnaphthalene	16000	U
77-47-4	Hexachlorocyclopentadiene	16000	U
88-06-2	2,4,6-Trichlorophenol	77000	U
95-95-4	2,4,5-Trichlorophenol	16000	U
91-58-7	2-Chloronaphthalene	77000	U
88-74-4	2-Nitroaniline	16000	U
131-11-3	Dimethyl Phthalate	16000	U
208-96-8	Acenaphthylene	16000	U
606-20-2	2,6-Dinitrotoluene	16000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB503

b Name: WEYERHAEUSER Contract: 8270
 b Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76621
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825D
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 11 dec. Date Extracted: 08/23/91
 Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND UG/KG Q

99-09-2	3-Nitroaniline	77000	U
83-32-9	Acenaphthene	16000	U
51-28-5	2,4-Dinitrophenol	77000	U
100-02-7	4-Nitrophenol	77000	U
132-64-9	Dibenzofuran	16000	U
121-14-2	2,4-Dinitrotoluene	16000	U
84-66-2	Diethylphthalate	16000	U
7005-72-3	4-Chlorophenyl-phenylether	16000	U
86-73-7	Fluorene	16000	U
100-10-6	4-Nitroaniline	77000	U
534-52-1	4,6-Dinitro-2-Methylphenol	77000	U
86-30-6	N-Nitrosodiphenylamine (1)	16000	U
101-55-3	4-Bromophenyl-phenylether	16000	U
118-74-1	Hexachlorobenzene	16000	U
87-86-5	Pentachlorophenol	910000	E
85-01-8	Phenanthrene	16000	U
120-12-7	Anthracene	16000	U
84-74-2	Di-n-Butylphthalate	16000	U
206-44-0	Fluoranthene	16000	U
129-00-0	Pyrene	16000	U
85-68-7	Butylbenzylphthalate	16000	U
91-94-1	3,3'-Dichlorobenzidine	32000	U
56-55-3	Benzo(a)Anthracene	16000	U
218-01-9	Chrysene	16000	U
117-81-7	bis(2-Ethylhexyl) Phthalate	16000	U
117-84-0	Di-n-Octyl Phthalate	16000	U
205-99-2	Benzo(b) Fluoranthene	16000	U
207-08-9	Benzo(k) Fluoranthene	16000	U
50-32-8	Benzo(a) Pyrene	16000	U
193-39-5	Indeno(1,2,3-cd) Pyrene	16000	U
53-70-3	Dibenz(a,h)Anthracene	16000	U
191-24-2	Benzo(g,h,i) Perylene	16000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB503

Client Name: WEYERHAEUSER

Contract: 8270

Client Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76621

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: BN0825D

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 11 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

GC Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB503DL

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76621DL
 Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825K
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 11 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND UG/KG Q

108-95-2	Phenol	130000	U
111-44-4	bis(2-Chloroethyl) Ether	130000	U
95-57-8	2-Chlorophenol	130000	U
541-73-1	1,3-Dichlorobenzene	130000	U
106-46-7	1,4-Dichlorobenzene	130000	U
100-51-6	Benzyl Alcohol	130000	U
95-50-1	1,2-Dichlorobenzene	130000	U
95-48-7	2-Methylphenol	130000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	130000	U
106-44-5	4-Methylphenol	130000	U
621-64-7	N-Nitroso-Di-n-Propylamine	130000	U
67-72-1	Hexachloroethane	130000	U
98-95-3	Nitrobenzene	130000	U
78-59-1	Isophorone	130000	U
88-75-5	2-Nitrophenol	130000	U
105-67-9	2,4-Dimethylphenol	130000	U
65-85-0	Benzoic Acid	620000	U
111-91-1	bis(2-Chloroethoxy) Methane	130000	U
120-83-2	2,4-Dichlorophenol	130000	U
120-82-1	1,2,4-Trichlorobenzene	130000	U
91-20-3	Naphthalene	130000	U
106-47-8	4-Chloroaniline	130000	U
87-68-3	Hexachlorobutadiene	130000	U
59-50-7	4-Chloro-3-Methylphenol	130000	U
91-57-6	2-Methylnaphthalene	130000	U
77-47-4	Hexachlorocyclopentadiene	130000	U
88-06-2	2,4,6-Trichlorophenol	130000	U
95-95-4	2,4,5-Trichlorophenol	620000	U
91-58-7	2-Chloronaphthalene	130000	U
88-74-4	2-Nitroaniline	620000	U
131-11-3	Dimethyl Phthalate	130000	U
208-96-8	Acenaphthylene	130000	U
606-20-2	2,6-Dinitrotoluene	130000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB503DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76621DL

Sample wt/vol: 1.4 (g/mL) G

Lab File ID: BN0825K

Rel: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 11 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

Cleanup: (Y/N) N

pH:

Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND UG/KG Q

99-09-2-----	3-Nitroaniline	620000	U
83-32-9-----	Acenaphthene	130000	U
51-28-5-----	2,4-Dinitrophenol	620000	U
100-02-7-----	4-Nitrophenol	620000	U
132-64-9-----	Dibenzofuran	130000	U
121-14-2-----	2,4-Dinitrotoluene	130000	U
84-66-2-----	Diethylphthalate	130000	U
7005-72-3-----	4-Chlorophenyl-phenylether	130000	U
86-73-7-----	Fluorene	130000	U
100-10-6-----	4-Nitroaniline	620000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	620000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	130000	U
101-55-3-----	4-Bromophenyl-phenylether	130000	U
118-74-1-----	Hexachlorobenzene	130000	U
87-86-5-----	Pentachlorophenol	340000	DJ
85-01-8-----	Phenanthrene	130000	U
120-12-7-----	Anthracene	130000	U
84-74-2-----	Di-n-Butylphthalate	130000	U
206-44-0-----	Fluoranthene	130000	U
129-00-0-----	Pyrene	130000	U
85-68-7-----	Butylbenzylphthalate	130000	U
91-94-1-----	3,3'-Dichlorobenzidine	250000	U
56-55-3-----	Benzo(a)Anthracene	130000	U
218-01-9-----	Chrysene	130000	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	130000	U
117-84-0-----	Di-n-Octyl Phthalate	130000	U
205-99-2-----	Benzo(b)Fluoranthene	130000	U
207-08-9-----	Benzo(k)Fluoranthene	130000	U
50-32-8-----	Benzo(a)Pyrene	130000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	130000	U
53-70-3-----	Dibenz(a,h)Anthracene	130000	U
191-24-2-----	Benzo(g,h,i)Perylene	130000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB503DL

Client Name: WEYERHAEUSER Contract: 8270
Client Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
Matrix: (soil/water) SOIL Lab Sample ID: 76621DL
Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825K
Level: (low/med) MED Date Received: 08/23/91
Moisture: not dec. 11 dec. Date Extracted: 08/23/91
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
SPC Cleanup: (Y/N) N pH: Dilution Factor: 8.0

Number TICs found: 0
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB504

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76622

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: BN0825C

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 11 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

SPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	17000	U
111-44-4	bis(2-Chloroethyl) Ether	17000	U
95-57-8	2-Chlorophenol	17000	U
541-73-1	1,3-Dichlorobenzene	17000	U
106-46-7	1,4-Dichlorobenzene	17000	U
100-51-6	Benzyl Alcohol	17000	U
95-50-1	1,2-Dichlorobenzene	17000	U
95-48-7	2-Methylphenol	17000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-Di-n-Propylamine	17000	U
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
65-85-0	Benzoic Acid	83000	U
111-91-1	bis(2-Chloroethoxy) Methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
120-82-1	1,2,4-Trichlorobenzene	17000	U
91-20-3	Naphthalene	17000	U
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
59-50-7	4-Chloro-3-Methylphenol	17000	U
91-57-6	2-Methylnaphthalene	17000	U
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	83000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	83000	U
131-11-3	Dimethyl Phthalate	17000	U
208-96-8	Acenaphthylene	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB504

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76622
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: BN0825C
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 11 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2-----	3-Nitroaniline	83000	U
83-32-9-----	Acenaphthene	17000	U
51-28-5-----	2,4-Dinitrophenol	83000	U
100-02-7-----	4-Nitrophenol	83000	U
132-64-9-----	Dibenzofuran	17000	U
121-14-2-----	2,4-Dinitrotoluene	17000	U
84-66-2-----	Diethylphthalate	17000	U
7005-72-3-----	4-Chlorophenyl-phenylether	17000	U
86-73-7-----	Fluorene	17000	U
100-10-6-----	4-Nitroaniline	83000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	83000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	17000	U
101-55-3-----	4-Bromophenyl-phenylether	17000	U
118-74-1-----	Hexachlorobenzene	17000	U
87-86-5-----	Pentachlorophenol	1400000	E
85-01-8-----	Phenanthrene	17000	U
120-12-7-----	Anthracene	17000	U
84-74-2-----	Di-n-Butylphthalate	17000	U
206-44-0-----	Fluoranthene	17000	U
129-00-0-----	Pyrene	17000	U
85-68-7-----	Butylbenzylphthalate	17000	U
91-94-1-----	3,3'-Dichlorobenzidine	34000	U
56-55-3-----	Benzo(a)Anthracene	17000	U
218-01-9-----	Chrysene	17000	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	17000	U
117-84-0-----	Di-n-Octyl Phthalate	17000	U
205-99-2-----	Benzo(b)Fluoranthene	17000	U
207-08-9-----	Benzo(k)Fluoranthene	17000	U
50-32-8-----	Benzo(a)Pyrene	17000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	17000	U
53-70-3-----	Dibenz(a,h)Anthracene	17000	U
191-24-2-----	Benzo(g,h,i)Perylene	17000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB504

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76622
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: BN0825C
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 11 dec. Date Extracted: 08/23/91
 Fraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	21.27	45000	JX
2.	UNKNOWN	25.11	12000	JX
3.	UNKNOWN	26.69	15000	JX
4.	UNKNOWN	27.61	13000	JX
5.	UNKNOWN	29.54	12000	JX
6.	UNKNOWN	31.17	12000	JX
7.	UNKNOWN	31.27	9900	JX
8.	UNKNOWN	31.97	13000	JX
9.	UNKNOWN	32.16	10000	JX
10.	UNKNOWN	32.21	16000	JX
11.	UNKNOWN	32.57	12000	JX
12.	UNKNOWN	32.86	7800	JX
13.	UNKNOWN	32.92	12000	JX
14.	UNKNOWN	33.02	4800	JX
15.	UNKNOWN	33.27	19000	JX
16.	UNKNOWN	33.72	10000	JX
17.	UNKNOWN	33.99	13000	JX
18.	UNKNOWN	34.31	14000	JX
19.	UNKNOWN	35.19	13000	JX
20. 3268-87-9	DIBENZO[B,E][1,4]DIOXIN, OCT	36.42	24000	JX

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB504DL

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76622DL

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: BN0825L

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 11 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----	Phenol	140000	U
111-44-4-----	bis(2-Chloroethyl) Ether	140000	U
95-57-8-----	2-Chlorophenol	140000	U
541-73-1-----	1,3-Dichlorobenzene	140000	U
106-46-7-----	1,4-Dichlorobenzene	140000	U
100-51-6-----	Benzyl Alcohol	140000	U
95-50-1-----	1,2-Dichlorobenzene	140000	U
95-48-7-----	2-Methylphenol	140000	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	140000	U
106-44-5-----	4-Methylphenol	140000	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	140000	U
67-72-1-----	Hexachloroethane	140000	U
98-95-3-----	Nitrobenzene	140000	U
78-59-1-----	Isophorone	140000	U
88-75-5-----	2-Nitrophenol	140000	U
105-67-9-----	2,4-Dimethylphenol	140000	U
65-85-0-----	Benzoic Acid	660000	U
111-91-1-----	bis(2-Chloroethoxy) Methane	140000	U
120-83-2-----	2,4-Dichlorophenol	140000	U
120-82-1-----	1,2,4-Trichlorobenzene	140000	U
91-20-3-----	Naphthalene	140000	U
106-47-8-----	4-Chloroaniline	140000	U
87-68-3-----	Hexachlorobutadiene	140000	U
59-50-7-----	4-Chloro-3-Methylphenol	140000	U
91-57-6-----	2-Methylnaphthalene	140000	U
77-47-4-----	Hexachlorocyclopentadiene	140000	U
88-06-2-----	2,4,6-Trichlorophenol	140000	U
95-95-4-----	2,4,5-Trichlorophenol	660000	U
91-58-7-----	2-Chloronaphthalene	140000	U
88-74-4-----	2-Nitroaniline	660000	U
131-11-3-----	Dimethyl Phthalate	140000	U
208-96-8-----	Acenaphthylene	140000	U
606-20-2-----	2,6-Dinitrotoluene	140000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB504DL

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76622DL

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: BN0825L

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 11 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 8.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	660000	U
83-32-9-----	Acenaphthene	140000	U
51-28-5-----	2,4-Dinitrophenol	660000	U
100-02-7-----	4-Nitrophenol	660000	U
132-64-9-----	Dibenzofuran	140000	U
121-14-2-----	2,4-Dinitrotoluene	140000	U
84-66-2-----	Diethylphthalate	140000	U
7005-72-3-----	4-Chlorophenyl-phenylether	140000	U
86-73-7-----	Fluorene	140000	U
100-10-6-----	4-Nitroaniline	660000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	660000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	140000	U
101-55-3-----	4-Bromophenyl-phenylether	140000	U
118-74-1-----	Hexachlorobenzene	140000	U
87-86-5-----	Pentachlorophenol	700000	D
85-01-8-----	Phenanthrene	140000	U
120-12-7-----	Anthracene	140000	U
84-74-2-----	Di-n-Butylphthalate	140000	U
206-44-0-----	Fluoranthene	140000	U
129-00-0-----	Pyrene	140000	U
85-68-7-----	Butylbenzylphthalate	140000	U
91-94-1-----	3,3'-Dichlorobenzidine	270000	U
56-55-3-----	Benzo(a)Anthracene	140000	U
218-01-9-----	Chrysene	140000	U
117-81-7-----	bis(2-Ethylhexyl)Phthalate	140000	U
117-84-0-----	Di-n-Octyl Phthalate	140000	U
205-99-2-----	Benzo(b)Fluoranthene	140000	U
207-08-9-----	Benzo(k)Fluoranthene	140000	U
50-32-8-----	Benzo(a)Pyrene	140000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	140000	U
53-70-3-----	Dibenz(a,h)Anthracene	140000	U
191-24-2-----	Benzo(g,h,i)Perylene	140000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB504DL

Lab Name: WEYERHAEUSER Contract: 8270
Lab Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
Matrix: (soil/water) SOIL Lab Sample ID: 76622DL
Sample wt/vol: 1.3 (g/mL) G Lab File ID: BN0825L
Level: (low/med) MED Date Received: 08/23/91
Moisture: not dec. 11 dec. Date Extracted: 08/23/91
Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
GC Cleanup: (Y/N) N pH: Dilution Factor: 8.0

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB505

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76623

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: BN0825B

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 13 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	18000	U
111-44-4-----	bis(2-Chloroethyl) Ether	18000	U
95-57-8-----	2-Chlorophenol	18000	U
541-73-1-----	1,3-Dichlorobenzene	18000	U
106-46-7-----	1,4-Dichlorobenzene	18000	U
100-51-6-----	Benzyl Alcohol	18000	U
95-50-1-----	1,2-Dichlorobenzene	18000	U
95-48-7-----	2-Methylphenol	18000	U
39638-32-9-----	bis(2-Chloroisopropyl) Ether	18000	U
106-44-5-----	4-Methylphenol	18000	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	18000	U
67-72-1-----	Hexachloroethane	18000	U
98-95-3-----	Nitrobenzene	18000	U
78-59-1-----	Isophorone	18000	U
88-75-5-----	2-Nitrophenol	18000	U
105-67-9-----	2,4-Dimethylphenol	18000	U
65-85-0-----	Benzoic Acid	85000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	18000	U
120-83-2-----	2,4-Dichlorophenol	18000	U
120-82-1-----	1,2,4-Trichlorobenzene	18000	U
91-20-3-----	Naphthalene	18000	U
106-47-8-----	4-Chloroaniline	18000	U
87-68-3-----	Hexachlorobutadiene	18000	U
59-50-7-----	4-Chloro-3-Methylphenol	18000	U
91-57-6-----	2-Methylnaphthalene	18000	U
77-47-4-----	Hexachlorocyclopentadiene	18000	U
88-06-2-----	2,4,6-Trichlorophenol	18000	U
95-95-4-----	2,4,5-Trichlorophenol	85000	U
91-58-7-----	2-Chloronaphthalene	18000	U
88-74-4-----	2-Nitroaniline	85000	U
131-11-3-----	Dimethyl Phthalate	18000	U
208-96-8-----	Acenaphthylene	18000	U
606-20-2-----	2,6-Dinitrotoluene	18000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB505

Name: WEYERHAEUSER Contract: 8270
 Client: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76623
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: BN0825B
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 13 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	85000	U
83-32-9	Acenaphthene	18000	U
51-28-5	2,4-Dinitrophenol	85000	U
100-02-7	4-Nitrophenol	85000	U
132-64-9	Dibenzofuran	18000	U
121-14-2	2,4-Dinitrotoluene	18000	U
84-66-2	Diethylphthalate	18000	U
7005-72-3	4-Chlorophenyl-phenylether	18000	U
86-73-7	Fluorene	18000	U
100-10-6	4-Nitroaniline	85000	U
534-52-1	4,6-Dinitro-2-Methylphenol	85000	U
86-30-6	N-Nitrosodiphenylamine (1)	18000	U
101-55-3	4-Bromophenyl-phenylether	18000	U
118-74-1	Hexachlorobenzene	18000	U
87-86-5	Pentachlorophenol	330000	E
85-01-8	Phenanthrene	18000	U
120-12-7	Anthracene	18000	U
84-74-2	Di-n-Butylphthalate	18000	U
206-44-0	Fluoranthene	18000	U
129-00-0	Pyrene	18000	U
85-68-7	Butylbenzylphthalate	18000	U
91-94-1	3,3'-Dichlorobenzidine	35000	U
56-55-3	Benzo(a)Anthracene	18000	U
218-01-9	Chrysene	18000	U
117-81-7	bis(2-Ethylhexyl) Phthalate	18000	U
117-84-0	Di-n-Octyl Phthalate	18000	U
205-99-2	Benzo(b)Fluoranthene	18000	U
207-08-9	Benzo(k)Fluoranthene	18000	U
50-32-8	Benzo(a)Pyrene	18000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	18000	U
53-70-3	Dibenz(a,h)Anthracene	18000	U
191-24-2	Benzo(g,h,i)Perylene	18000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB505

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76623

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: BN0825B

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 13 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

GC Cleanup: (Y/N) N pH:

Dilution Factor: 1.00

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	21.25	27000	JX
2.	UNKNOWN	25.09	8700	JX
3.	UNKNOWN	26.69	8800	JX
4.	UNKNOWN	32.12	7300	JX
5.	UNKNOWN	32.84	11000	JX
6.	UNKNOWN	32.91	13000	JX
7. 481-21-0	CHOLESTANE (VAN)	33.26	14000	JX
8.	UNKNOWN	33.71	12000	JX
9.	UNKNOWN	33.99	12000	JX
10.	UNKNOWN	34.29	13000	JX
11.	UNKNOWN	35.17	16000	JX
12. 3268-87-9	DIBENZO[B,E][1,4]DIOXIN, OCT	36.34	21000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB505DL

b Name: WEYERHAEUSER Contract: 8270
 b Client: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76623DL
 Sample wt/vol: 1.3 (g/mL) G Lab File ID: BN0825M
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 13 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 2.5

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	44000	U
111-44-4	bis(2-Chloroethyl) Ether	44000	U
95-57-8	2-Chlorophenol	44000	U
541-73-1	1,3-Dichlorobenzene	44000	U
106-46-7	1,4-Dichlorobenzene	44000	U
100-51-6	Benzyl Alcohol	44000	U
95-50-1	1,2-Dichlorobenzene	44000	U
95-48-7	2-Methylphenol	44000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	44000	U
106-44-5	4-Methylphenol	44000	U
621-64-7	N-Nitroso-Di-n-Propylamine	44000	U
67-72-1	Hexachloroethane	44000	U
98-95-3	Nitrobenzene	44000	U
78-59-1	Isophorone	44000	U
88-75-5	2-Nitrophenol	44000	U
105-67-9	2,4-Dimethylphenol	44000	U
65-85-0	Benzoic Acid	210000	U
111-91-1	bis(2-Chloroethoxy) Methane	44000	U
120-83-2	2,4-Dichlorophenol	44000	U
120-82-1	1,2,4-Trichlorobenzene	44000	U
91-20-3	Naphthalene	44000	U
106-47-8	4-Chloroaniline	44000	U
87-68-3	Hexachlorobutadiene	44000	U
59-50-7	4-Chloro-3-Methylphenol	44000	U
91-57-6	2-Methylnaphthalene	44000	U
77-47-4	Hexachlorocyclopentadiene	44000	U
88-06-2	2,4,6-Trichlorophenol	44000	U
95-95-4	2,4,5-Trichlorophenol	210000	U
91-58-7	2-Chloronaphthalene	44000	U
88-74-4	2-Nitroaniline	210000	U
131-11-3	Dimethyl Phthalate	44000	U
208-96-8	Acenaphthylene	44000	U
606-20-2	2,6-Dinitrotoluene	44000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB505DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76623DL

Sample wt/vol: 1.3 (g/mL) G

Lab File ID: BN0825M

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 13 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

GC Cleanup: (Y/N) N

pH:

Dilution Factor: 2.5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	210000	U
83-32-9-----	Acenaphthene	44000	U
51-28-5-----	2,4-Dinitrophenol	210000	U
100-02-7-----	4-Nitrophenol	210000	U
132-64-9-----	Dibenzofuran	44000	U
121-14-2-----	2,4-Dinitrotoluene	44000	U
84-66-2-----	Diethylphthalate	44000	U
7005-72-3-----	4-Chlorophenyl-phenylether	44000	U
86-73-7-----	Fluorene	44000	U
100-10-6-----	4-Nitroaniline	210000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	210000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	44000	U
101-55-3-----	4-Bromophenyl-phenylether	44000	U
118-74-1-----	Hexachlorobenzene	44000	U
87-86-5-----	Pentachlorophenol	130000	DJ
85-01-8-----	Phenanthrene	44000	U
120-12-7-----	Anthracene	44000	U
84-74-2-----	Di-n-Butylphthalate	44000	U
206-44-0-----	Fluoranthene	44000	U
129-00-0-----	Pyrene	44000	U
85-68-7-----	Butylbenzylphthalate	44000	U
91-94-1-----	3,3'-Dichlorobenzidine	87000	U
56-55-3-----	Benzo (a) Anthracene	44000	U
218-01-9-----	Chrysene	44000	U
117-81-7-----	bis(2-Ethylhexyl) Phthalate	44000	U
117-84-0-----	Di-n-Octyl Phthalate	44000	U
205-99-2-----	Benzo (b) Fluoranthene	44000	U
207-08-9-----	Benzo (k) Fluoranthene	44000	U
50-32-8-----	Benzo (a) Pyrene	44000	U
193-39-5-----	Indeno (1,2,3-cd) Pyrene	44000	U
53-70-3-----	Dibenz (a,h) Anthracene	44000	U
191-24-2-----	Benzo (g,h,i) Perylene	44000	U

(1) - Cannot be separated from Diphenylamine

1F
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB505DL

b Name: WEYERHAEUSER Contract: 8270
 b (le: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 trix: (soil/water) SOIL Lab Sample ID: 76623DL
 mple wt/vol: 1.3 (g/mL) G Lab File ID: BN0825M
 vel: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 13 dec. Date Extracted: 08/23/91
 traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 C Cleanup: (Y/N) N pH: Dilution Factor: 2.5

mber TICs found: 1 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	21.25	27000	JX

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1
 Sample wt/vol: 1.0 (g/mL) G Lab File ID: BN0825A
 Level: (low/med) MED Date Received:
 Moisture: not dec. dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl) Ether	20000	U
95-57-8	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1,4-Dichlorobenzene	20000	U
100-51-6	Benzyl Alcohol	20000	U
95-50-1	1,2-Dichlorobenzene	20000	U
95-48-7	2-Methylphenol	20000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	20000	U
106-44-5	4-Methylphenol	20000	U
621-64-7	N-Nitroso-Di-n-Propylamine	20000	U
67-72-1	Hexachloroethane	20000	U
98-95-3	Nitrobenzene	20000	U
78-59-1	Isophorone	20000	U
88-75-5	2-Nitrophenol	20000	U
105-67-9	2,4-Dimethylphenol	20000	U
65-85-0	Benzoic Acid	96000	U
111-91-1	bis(2-Chloroethoxy) Methane	20000	U
120-83-2	2,4-Dichlorophenol	20000	U
120-82-1	1,2,4-Trichlorobenzene	20000	U
91-20-3	Naphthalene	20000	U
106-47-8	4-Chloroaniline	20000	U
87-68-3	Hexachlorobutadiene	20000	U
59-50-7	4-Chloro-3-Methylphenol	20000	U
91-57-6	2-Methylnaphthalene	20000	U
77-47-4	Hexachlorocyclopentadiene	20000	U
88-06-2	2,4,6-Trichlorophenol	20000	U
95-95-4	2,4,5-Trichlorophenol	96000	U
91-58-7	2-Chloronaphthalene	20000	U
88-74-4	2-Nitroaniline	96000	U
131-11-3	Dimethyl Phthalate	20000	U
208-96-8	Acenaphthylene	20000	U
606-20-2	2,6-Dinitrotoluene	20000	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

b Name: WEYERHAEUSER Contract: 8270
 b (le: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 trix: (soil/water) SOIL Lab Sample ID: SBLKS1
 mple wt/vol: 1.0 (g/mL) G Lab File ID: BN0825A
 vel: (low/med) MED Date Received:
 Moisture: not dec. dec. Date Extracted: 08/23/91
 traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	96000	U
83-32-9	Acenaphthene	20000	U
51-28-5	2,4-Dinitrophenol	96000	U
100-02-7	4-Nitrophenol	96000	U
132-64-9	Dibenzofuran	20000	U
121-14-2	2,4-Dinitrotoluene	20000	U
84-66-2	Diethylphthalate	20000	U
7005-72-3	4-Chlorophenyl-phenylether	20000	U
86-73-7	Fluorene	20000	U
100-10-6	4-Nitroaniline	96000	U
534-52-1	4,6-Dinitro-2-Methylphenol	96000	U
86-30-6	N-Nitrosodiphenylamine (1)	20000	U
101-55-3	4-Bromophenyl-phenylether	20000	U
118-74-1	Hexachlorobenzene	20000	U
87-86-5	Pentachlorophenol	96000	U
85-01-8	Phenanthrene	20000	U
120-12-7	Anthracene	20000	U
84-74-2	Di-n-Butylphthalate	20000	U
206-44-0	Fluoranthene	20000	U
129-00-0	Pyrene	20000	U
85-68-7	Butylbenzylphthalate	20000	U
91-94-1	3,3'-Dichlorobenzidine	40000	U
56-55-3	Benzo(a)Anthracene	20000	U
218-01-9	Chrysene	20000	U
117-81-7	bis(2-Ethylhexyl) Phthalate	20000	U
117-84-0	Di-n-Octyl Phthalate	20000	U
205-99-2	Benzo(b) Fluoranthene	20000	U
207-08-9	Benzo(k) Fluoranthene	20000	U
50-32-8	Benzo(a) Pyrene	20000	U
193-39-5	Indeno(1,2,3-cd) Pyrene	20000	U
53-70-3	Dibenz(a,h)Anthracene	20000	U
191-24-2	Benzo(g,h,i) Perylene	20000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

Client Name: WEYERHAEUSER

Contract: 8270

Client Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 1.0 (g/mL) G

Lab File ID: BN0825A

Level: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB505MS

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76623MS

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: BN0825H

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 13 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

GC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.

COMPOUND

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	21000	U
111-44-4	bis(2-Chloroethyl) Ether	21000	U
95-57-8	2-Chlorophenol	21000	U
541-73-1	1,3-Dichlorobenzene	21000	U
106-46-7	1,4-Dichlorobenzene	21000	U
100-51-6	Benzyl Alcohol	21000	U
95-50-1	1,2-Dichlorobenzene	21000	U
95-48-7	2-Methylphenol	21000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	21000	U
106-44-5	4-Methylphenol	21000	U
621-64-7	N-Nitroso-Di-n-Propylamine	21000	U
67-72-1	Hexachloroethane	21000	U
98-95-3	Nitrobenzene	21000	U
78-59-1	Isophorone	21000	U
88-75-5	2-Nitrophenol	21000	U
105-67-9	2,4-Dimethylphenol	21000	U
65-85-0	Benzoic Acid	100000	U
111-91-1	bis(2-Chloroethoxy)Methane	21000	U
120-83-2	2,4-Dichlorophenol	21000	U
120-82-1	1,2,4-Trichlorobenzene	21000	U
91-20-3	Naphthalene	21000	U
106-47-8	4-Chloroaniline	21000	U
87-68-3	Hexachlorobutadiene	21000	U
59-50-7	4-Chloro-3-Methylphenol	21000	U
91-57-6	2-Methylnaphthalene	21000	U
77-47-4	Hexachlorocyclopentadiene	21000	U
88-06-2	2,4,6-Trichlorophenol	21000	U
95-95-4	2,4,5-Trichlorophenol	100000	U
91-58-7	2-Chloronaphthalene	21000	U
88-74-4	2-Nitroaniline	100000	U
131-11-3	Dimethyl Phthalate	21000	U
208-96-8	Acenaphthylene	21000	U
606-20-2	2,6-Dinitrotoluene	21000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB505MS

Name: WEYERHAEUSER Contract: 8270
 Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76623MS
 Sample wt/vol: 1.1 (g/mL) G Lab File ID: BN0825H
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 13 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

99-09-2	3-Nitroaniline	100000	U
83-32-9	Acenaphthene	21000	U
51-28-5	2,4-Dinitrophenol	100000	U
100-02-7	4-Nitrophenol	100000	U
132-64-9	Dibenzofuran	21000	U
121-14-2	2,4-Dinitrotoluene	21000	U
84-66-2	Diethylphthalate	21000	U
7005-72-3	4-Chlorophenyl-phenylether	21000	U
86-73-7	Fluorene	21000	U
100-10-6	4-Nitroaniline	100000	U
534-52-1	4,6-Dinitro-2-Methylphenol	100000	U
86-30-6	N-Nitrosodiphenylamine (1)	21000	U
101-55-3	4-Bromophenyl-phenylether	21000	U
118-74-1	Hexachlorobenzene	21000	U
87-86-5	Pentachlorophenol	100000	U
85-01-8	Phenanthrene	21000	U
120-12-7	Anthracene	21000	U
84-74-2	Di-n-Butylphthalate	21000	U
206-44-0	Fluoranthene	21000	U
129-00-0	Pyrene	21000	U
85-68-7	Butylbenzylphthalate	21000	U
91-94-1	3,3'-Dichlorobenzidine	41000	U
56-55-3	Benzo(a)Anthracene	21000	U
218-01-9	Chrysene	21000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	21000	U
117-84-0	Di-n-Octyl Phthalate	21000	U
205-99-2	Benzo(b)Fluoranthene	21000	U
207-08-9	Benzo(k)Fluoranthene	21000	U
50-32-8	Benzo(a)Pyrene	21000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	21000	U
53-70-3	Dibenz(a,h)Anthracene	21000	U
191-24-2	Benzo(g,h,i)Perylene	21000	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB505MSD

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619
 Matrix: (soil/water) SOIL Lab Sample ID: 76623MSD
 Sample wt/vol: 1.1 (g/mL) G Lab File ID: BN0825G
 Level: (low/med) MED Date Received: 08/23/91
 Moisture: not dec. 13 dec. Date Extracted: 08/23/91
 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91
 Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	21000	U
111-44-4	bis(2-Chloroethyl) Ether	21000	U
95-57-8	2-Chlorophenol	21000	U
541-73-1	1,3-Dichlorobenzene	21000	U
106-46-7	1,4-Dichlorobenzene	21000	U
100-51-6	Benzyl Alcohol	21000	U
95-50-1	1,2-Dichlorobenzene	21000	U
95-48-7	2-Methylphenol	21000	U
39638-32-9	bis(2-Chloroisopropyl) Ether	21000	U
106-44-5	4-Methylphenol	21000	U
621-64-7	N-Nitroso-Di-n-Propylamine	21000	U
67-72-1	Hexachloroethane	21000	U
98-95-3	Nitrobenzene	21000	U
78-59-1	Isophorone	21000	U
88-75-5	2-Nitrophenol	21000	U
105-67-9	2,4-Dimethylphenol	21000	U
65-85-0	Benzoic Acid	100000	U
111-91-1	bis(2-Chloroethoxy) Methane	21000	U
120-83-2	2,4-Dichlorophenol	21000	U
120-82-1	1,2,4-Trichlorobenzene	21000	U
91-20-3	Naphthalene	21000	U
106-47-8	4-Chloroaniline	21000	U
87-68-3	Hexachlorobutadiene	21000	U
59-50-7	4-Chloro-3-Methylphenol	21000	U
91-57-6	2-Methylnaphthalene	39000	U
77-47-4	Hexachlorocyclopentadiene	21000	U
88-06-2	2,4,6-Trichlorophenol	21000	U
95-95-4	2,4,5-Trichlorophenol	100000	U
91-58-7	2-Chloronaphthalene	21000	U
88-74-4	2-Nitroaniline	100000	U
131-11-3	Dimethyl Phthalate	21000	U
208-96-8	Acenaphthylene	21000	U
606-20-2	2,6-Dinitrotoluene	21000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WAB505MSD

b Name: WEYERHAEUSER

Contract: 8270

b Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix: (soil/water) SOIL

Lab Sample ID: 76623MSD

Sample wt/vol: 1.1 (g/mL) G

Lab File ID: BN0825G

Level: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 13 dec.

Date Extracted: 08/23/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

GC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

99-09-2	3-Nitroaniline	100000	U
83-32-9	Acenaphthene	21000	U
51-28-5	2,4-Dinitrophenol	100000	U
100-02-7	4-Nitrophenol	100000	U
132-64-9	Dibenzofuran	21000	U
121-14-2	2,4-Dinitrotoluene	21000	U
84-66-2	Diethylphthalate	21000	U
7005-72-3	4-Chlorophenyl-phenylether	21000	U
86-73-7	Fluorene	21000	U
100-10-6	4-Nitroaniline	100000	U
534-52-1	4,6-Dinitro-2-Methylphenol	100000	U
86-30-6	N-Nitrosodiphenylamine (1)	21000	U
101-55-3	4-Bromophenyl-phenylether	21000	U
118-74-1	Hexachlorobenzene	21000	U
87-86-5	Pentachlorophenol	100000	U
85-01-8	Phenanthrene	21000	U
120-12-7	Anthracene	21000	U
84-74-2	Di-n-Butylphthalate	21000	U
206-44-0	Fluoranthene	21000	U
129-00-0	Pyrene	21000	U
85-68-7	Butylbenzylphthalate	21000	U
91-94-1	3,3'-Dichlorobenzidine	41000	U
56-55-3	Benzo(a)Anthracene	21000	U
218-01-9	Chrysene	21000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	21000	U
117-84-0	Di-n-Octyl Phthalate	21000	U
205-99-2	Benzo(b)Fluoranthene	21000	U
207-08-9	Benzo(k)Fluoranthene	21000	U
50-32-8	Benzo(a)Pyrene	21000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	21000	U
53-70-3	Dibenz(a,h)Anthracene	21000	U
191-24-2	Benzo(g,h,i)Perylene	21000	U

(1) - Cannot be separated from Diphenylamine

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Level: (low/med) MED

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	OTHER	TOT OUT
01	WAB501	75	72	79	62	70	101	0	0
02	WAB501DL	0 D	49	77	24	32	37	0	0
03	WAB502	73	65	97	57	66	81	0	0
04	WAB502DL	27	37	70	13 *	36	30	0	1
05	WAB503	80	69	92	57	71	64	0	0
06	WAB503DL	31	38	64	19 *	47	29	0	1
07	WAB504	87	79	74	55	79	61	0	0
08	WAB504DL	47	62	55	35	62	52	0	0
09	WAB505	88	76	73	77	87	82	0	0
10	WAB505DL	62	64	67	50	77	54	0	0
11	WAB505MS	72	67	81	71	89	69	0	0
12	WAB505MSD	67	74	73	72	79	73	0	0
13	SBLKS1	98	87	91	85	91	75	0	0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogates diluted out

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

Matrix Spike - EPA Sample No.: WAB505

Level: (low/med) MED

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	209000	0	145000	69	26- 90
2-Chlorophenol	209000	0	127000	61	25-102
1,4-Dichlorobenzene	209000	0	48700	23 *	28 104
N-Nitroso-di-n-prop. (1)	209000	0	44400	21 *	41 126
1,2,4-Trichlorobenzene	209000	0	69900	33 *	38 107
4-Chloro-3-methylphenol	209000	0	190000	91	26 103
Acenaphthene	209000	0	83700	40	31-137
4-Nitrophenol	209000	0	162000	78	11-114
2,4-Dinitrotoluene	209000	0	69500	33	28- 89
Pentachlorophenol	209000	335000	289000	53-22*	17-109 <i>One</i>
Pyrene	209000	0	116000	56	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
Phenol	209000	156000	75	-8	35	26- 90
2-Chlorophenol	209000	132000	63	-3	50	25-102
1,4-Dichlorobenzene	209000	63400	30	-26	27	28 104
N-Nitroso-di-n-prop. (1)	209000	45200	22 *	-5	38	41 126
1,2,4-Trichlorobenzene	209000	73000	35 *	-6	23	38 107
4-Chloro-3-methylphenol	209000	153000	73	22	33	26 103
Acenaphthene	209000	82400	39	3	19	31-137
4-Nitrophenol	209000	147000	70	11	50	11-114
2,4-Dinitrotoluene	209000	68600	33	0	47	28- 89
Pentachlorophenol	209000	222000	41-54*	26-34*	47	17-109 <i>One</i>
Pyrene	209000	103000	49	13	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 75 out of 22 outside limits

COMMENTS: 76623 SR06546 MED
40(1.5)-320@8(4) INST=FINN



Date November 2, 1992
From Dennis Catalano
Location Tacoma, WTC 2F25
Subject SR# 09727 Aberdeen Sawmill Excavation Samples

To Mick McCourt WTC 2H4

Attached are the results from the samples you requested we analyze for BNAs. It appears that one of these samples may contain chlorinated dioxin. A TIC library search had that as a possible identification. If you have any questions about the results please contact me at 924-6242.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.

A handwritten signature in cursive script, appearing to read "Dennis Catalano".

Dennis Catalano
Analytical Chemistry Laboratories

Attachment

cc: Gary Roethler WTC 2H4

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS9-25

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

Matrix: (soil/water) SOIL

Lab Sample ID: LCS9-25

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: BN1028F

Level: (low/med) LOW

Date Received: 09/25/92

Moisture: decanted: (Y/N) N

Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/28/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

SPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

CAS NO.

COMPOUND

108-95-2-----	Phenol	1700	
111-44-4-----	bis(2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	1800	
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	1300	
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	1300	
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	1400	
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	2100	
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	800	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	800	U
131-11-3-----	Dimethyl Phthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	800	U
83-32-9-----	Acenaphthene	1300	

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCS9-25

Lab Name: WEYERHAEUSER Contract: 8270

Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542

Matrix: (soil/water) SOIL Lab Sample ID: LCS9-25

Sample wt/vol: 30.0 (g/mL) G Lab File ID: BN1028F

Level: (low/med) LOW Date Received: 09/25/92

% Moisture: decanted: (Y/N) N Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/28/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	800	U
100-02-7-----	4-Nitrophenol	1700	
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	1400	
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	800	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	2500	B
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	1900	
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b) Fluoranthene	330	U
207-08-9-----	Benzo(k) Fluoranthene	330	U
50-32-8-----	Benzo(a) Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LCS9-25

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

Matrix: (soil/water) SOIL

Lab Sample ID: LCS9-25

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: BN1028F

Level: (low/med) LOW

Date Received: 09/25/92

Moisture: decanted: (Y/N) N

Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/28/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

PC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE1
East WAM 31 Dept 2

Lab Name: WEYERHAEUSER Contract: 8270

Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542

Matrix: (soil/water) SOIL Lab Sample ID: 96542

Sample wt/vol: 30.3 (g/mL) G Lab File ID: BN1029A

Level: (low/med) LOW Date Received: 09/18/92

% Moisture: 15 decanted: (Y/N) N Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92

Injection Volume: 2.0(uL) Dilution Factor: 750.0

GPC Cleanup: (Y/N) Y pH: 5.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	290000	U
111-44-4	bis(2-Chloroethyl) Ether	290000	U
95-57-8	2-Chlorophenol	290000	U
541-73-1	1,3-Dichlorobenzene	290000	U
106-46-7	1,4-Dichlorobenzene	290000	U
95-50-1	1,2-Dichlorobenzene	290000	U
95-48-7	2-Methylphenol	290000	U
108-60-1	2,2-oxybis(1-Chloropropane)	290000	U
106-44-5	4-Methylphenol	290000	U
621-64-7	N-Nitroso-Di-n-Propylamine	290000	U
67-72-1	Hexachloroethane	290000	U
98-95-3	Nitrobenzene	290000	U
78-59-1	Isophorone	290000	U
88-75-5	2-Nitrophenol	290000	U
105-67-9	2,4-Dimethylphenol	290000	U
111-91-1	bis(2-Chloroethoxy)Methane	290000	U
120-83-2	2,4-Dichlorophenol	290000	U
120-82-1	1,2,4-Trichlorobenzene	290000	U
91-20-3	Naphthalene	290000	U
106-47-8	4-Chloroaniline	290000	U
87-68-3	Hexachlorobutadiene	290000	U
59-50-7	4-Chloro-3-Methylphenol	290000	U
91-57-6	2-Methylnaphthalene	290000	U
77-47-4	Hexachlorocyclopentadiene	290000	U
88-06-2	2,4,6-Trichlorophenol	290000	U
95-95-4	2,4,5-Trichlorophenol	700000	U
91-58-7	2-Chloronaphthalene	290000	U
88-74-4	2-Nitroaniline	700000	U
131-11-3	Dimethyl Phthalate	290000	U
208-96-8	Acenaphthylene	290000	U
606-20-2	2,6-Dinitrotoluene	290000	U
99-09-2	3-Nitroaniline	700000	U
83-32-9	Acenaphthene	290000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE1
EACT W/M 3'

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: 96542
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: BN1029A
 Level: (low/med) LOW Date Received: 09/18/92
 Moisture: 15 decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92
 Injection Volume: 2.0(uL) Dilution Factor: 750.0
 PC Cleanup: (Y/N) Y pH: 5.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	700000	U
100-02-7	4-Nitrophenol	700000	U
132-64-9	Dibenzofuran	290000	U
121-14-2	2,4-Dinitrotoluene	290000	U
84-66-2	Diethylphthalate	290000	U
7005-72-3	4-Chlorophenyl-phenylether	290000	U
86-73-7	Fluorene	290000	U
100-01-6	4-Nitroaniline	700000	U
534-52-1	4,6-Dinitro-2-Methylphenol	700000	U
86-30-6	N-Nitrosodiphenylamine (1)	290000	U
101-55-3	4-Bromophenyl-phenylether	290000	U
118-74-1	Hexachlorobenzene	290000	U
87-86-5	Pentachlorophenol	1000000	B
85-01-8	Phenanthrene	290000	U
120-12-7	Anthracene	290000	U
86-74-8	Carbazole	290000	U
84-74-2	Di-n-Butylphthalate	290000	U
206-44-0	Fluoranthene	290000	U
129-00-0	Pyrene	290000	U
85-68-7	Butylbenzylphthalate	290000	U
91-94-1	3,3'-Dichlorobenzidine	290000	U
56-55-3	Benzo(a)Anthracene	290000	U
218-01-9	Chrysene	290000	U
117-81-7	bis(2-Ethylhexyl)phthalate	290000	U
117-84-0	Di-n-Octyl Phthalate	290000	U
205-99-2	Benzo(b)Fluoranthene	290000	U
207-08-9	Benzo(k)Fluoranthene	290000	U
50-32-8	Benzo(a)Pyrene	290000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	290000	U
53-70-3	Dibenz(a,h)Anthracene	290000	U
191-24-2	Benzo(g,h,i)Perylene	290000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEY-AB-OE1 EAST WASH 31

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: 96542
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: BN1029A
 Level: (low/med) LOW Date Received: 09/18/92
 Moisture: 15 decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92
 Injection Volume: 2.0(uL) Dilution Factor: 750.0
 IPC Cleanup: (Y/N) Y pH: 5.8

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	19.44	59000	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE2
North Wall 31 depth

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

Matrix: (soil/water) SOIL

Lab Sample ID: 96543

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: BN1028H

Level: (low/med) LOW

Date Received: 09/18/92

Moisture: 14 decanted: (Y/N) N

Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/28/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

PC Cleanup: (Y/N) Y

pH: 5.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

108-95-2-----Phenol	380	U
111-44-4-----bis(2-Chloroethyl) Ether	380	U
95-57-8-----2-Chlorophenol	380	U
541-73-1-----1,3-Dichlorobenzene	380	U
106-46-7-----1,4-Dichlorobenzene	380	U
95-50-1-----1,2-Dichlorobenzene	380	U
95-48-7-----2-Methylphenol	380	U
108-60-1-----2,2-oxybis(1-Chloropropane)	380	U
106-44-5-----4-Methylphenol	380	U
621-64-7-----N-Nitroso-Di-n-Propylamine	380	U
67-72-1-----Hexachloroethane	380	U
98-95-3-----Nitrobenzene	380	U
78-59-1-----Isophorone	380	U
88-75-5-----2-Nitrophenol	380	U
105-67-9-----2,4-Dimethylphenol	380	U
111-91-1-----bis(2-Chloroethoxy) Methane	380	U
120-83-2-----2,4-Dichlorophenol	380	U
120-82-1-----1,2,4-Trichlorobenzene	380	U
91-20-3-----Naphthalene	380	U
106-47-8-----4-Chloroaniline	380	U
87-68-3-----Hexachlorobutadiene	380	U
59-50-7-----4-Chloro-3-Methylphenol	380	U
91-57-6-----2-Methylnaphthalene	380	U
77-47-4-----Hexachlorocyclopentadiene	380	U
88-06-2-----2,4,6-Trichlorophenol	380	U
95-95-4-----2,4,5-Trichlorophenol	53	J
91-58-7-----2-Chloronaphthalene	380	U
88-74-4-----2-Nitroaniline	920	U
131-11-3-----Dimethyl Phthalate	380	U
208-96-8-----Acenaphthylene	380	U
606-20-2-----2,6-Dinitrotoluene	380	U
99-09-2-----3-Nitroaniline	920	U
83-32-9-----Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE2 <i>Uo-16 wkd 3'</i>

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: 96543
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: BN1028H
 Level: (low/med) LOW Date Received: 09/18/92
 Moisture: 14 decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/28/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 SPC Cleanup: (Y/N) Y pH: 5.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-Methylphenol	920	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	2100	B
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)Anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	170	J
117-84-0	Di-n-Octyl Phthalate	380	U
205-99-2	Benzo(b)Fluoranthene	380	U
207-08-9	Benzo(k)Fluoranthene	380	U
50-32-8	Benzo(a)Pyrene	380	U
193-39-5	Indeno(1,2,3-cd)Pyrene	380	U
53-70-3	Dibenz(a,h)Anthracene	380	U
191-24-2	Benzo(g,h,i)Perylene	380	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEY-AB-OE2
North well 3'

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: 96543
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: BN1028H
 Level: (low/med) LOW Date Received: 09/18/92
 Moisture: 14 decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/28/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 PC Cleanup: (Y/N) Y pH: 5.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.18	9900	BJNA
2. 100-52-7	BENZALDEHYDE	7.43	180	BJN
3. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	18.45	230	JN
4. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	21.90	180	JN
5.	UNKNOWN	32.69	62	J
6.	UNKNOWN	33.31	330	J
7.	UNKNOWN	33.69	270	J
8.	UNKNOWN	35.06	190	J
9.	UNKNOWN	35.41	130	J
10.	UNKNOWN	35.86	110	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE3
South Wm 3'

Lab Name: WEYERHAEUSER Contract: 8270
Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
Matrix: (soil/water) SOIL Lab Sample ID: 96544
Sample wt/vol: 30.5 (g/mL) G Lab File ID: BN1029B
Level: (low/med) LOW Date Received: 09/18/92
Moisture: 15 decanted: (Y/N) N Date Extracted: 09/25/92
Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92
Injection Volume: 2.0(uL) Dilution Factor: 950.0
GPC Cleanup: (Y/N) Y pH: 5.2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	360000	U
111-44-4-----	bis(2-Chloroethyl) Ether	360000	U
95-57-8-----	2-Chlorophenol	360000	U
541-73-1-----	1,3-Dichlorobenzene	360000	U
106-46-7-----	1,4-Dichlorobenzene	360000	U
95-50-1-----	1,2-Dichlorobenzene	360000	U
95-48-7-----	2-Methylphenol	360000	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	360000	U
106-44-5-----	4-Methylphenol	360000	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	360000	U
67-72-1-----	Hexachloroethane	360000	U
98-95-3-----	Nitrobenzene	360000	U
78-59-1-----	Isophorone	360000	U
88-75-5-----	2-Nitrophenol	360000	U
105-67-9-----	2,4-Dimethylphenol	360000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	360000	U
120-83-2-----	2,4-Dichlorophenol	360000	U
120-82-1-----	1,2,4-Trichlorobenzene	360000	U
91-20-3-----	Naphthalene	360000	U
106-47-8-----	4-Chloroaniline	360000	U
87-68-3-----	Hexachlorobutadiene	360000	U
59-50-7-----	4-Chloro-3-Methylphenol	360000	U
91-57-6-----	2-Methylnaphthalene	360000	U
77-47-4-----	Hexachlorocyclopentadiene	360000	U
88-06-2-----	2,4,6-Trichlorophenol	360000	U
95-95-4-----	2,4,5-Trichlorophenol	880000	U
91-58-7-----	2-Chloronaphthalene	360000	U
88-74-4-----	2-Nitroaniline	880000	U
131-11-3-----	Dimethyl Phthalate	360000	U
208-96-8-----	Acenaphthylene	360000	U
606-20-2-----	2,6-Dinitrotoluene	360000	U
99-09-2-----	3-Nitroaniline	880000	U
83-32-9-----	Acenaphthene	360000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE3
Soil well 3'

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

Matrix: (soil/water) SOIL

Lab Sample ID: 96544

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: BN1029B

Level: (low/med) LOW

Date Received: 09/18/92

Moisture: 15 decanted: (Y/N) N

Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/29/92

Injection Volume: 2.0 (uL)

Dilution Factor: 950.0

SPC Cleanup: (Y/N) Y

pH: 5.2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	880000	U
100-02-7-----	4-Nitrophenol	880000	U
132-64-9-----	Dibenzofuran	360000	U
121-14-2-----	2,4-Dinitrotoluene	360000	U
84-66-2-----	Diethylphthalate	360000	U
7005-72-3-----	4-Chlorophenyl-phenylether	360000	U
86-73-7-----	Fluorene	360000	U
100-01-6-----	4-Nitroaniline	880000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	880000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360000	U
101-55-3-----	4-Bromophenyl-phenylether	360000	U
118-74-1-----	Hexachlorobenzene	360000	U
87-86-5-----	Pentachlorophenol	1400000	B
85-01-8-----	Phenanthrene	360000	U
120-12-7-----	Anthracene	360000	U
86-74-8-----	Carbazole	360000	U
84-74-2-----	Di-n-Butylphthalate	360000	U
206-44-0-----	Fluoranthene	360000	U
129-00-0-----	Pyrene	360000	U
85-68-7-----	Butylbenzylphthalate	360000	U
91-94-1-----	3,3'-Dichlorobenzidine	360000	U
56-55-3-----	Benzo (a) Anthracene	360000	U
218-01-9-----	Chrysene	360000	U
117-81-7-----	bis(2-Ethylhexyl) phthalate	360000	U
117-84-0-----	Di-n-Octyl Phthalate	360000	U
205-99-2-----	Benzo (b) Fluoranthene	360000	U
207-08-9-----	Benzo (k) Fluoranthene	360000	U
50-32-8-----	Benzo (a) Pyrene	360000	U
193-39-5-----	Indeno (1,2,3-cd) Pyrene	360000	U
53-70-3-----	Dibenz (a,h) Anthracene	360000	U
191-24-2-----	Benzo (g,h,i) Perylene	360000	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEY-AB-OE3
Soil water

Lab Name: WEYERHAEUSER Contract: 8270
Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
Matrix: (soil/water) SOIL Lab Sample ID: 96544
Sample wt/vol: 30.5 (g/mL) G Lab File ID: BN1029B
Level: (low/med) LOW Date Received: 09/18/92
Moisture: 15 decanted: (Y/N) N Date Extracted: 09/25/92
Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92
Injection Volume: 2.0(uL) Dilution Factor: 950.0
SPC Cleanup: (Y/N) Y pH: 5.2

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	19.45	250000	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE4
Floor Center 31

Lab Name: WEYERHAEUSER Contract: 8270

Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542

Matrix: (soil/water) SOIL Lab Sample ID: 96545

Sample wt/vol: 30.7 (g/mL) G Lab File ID: BN1029C

Level: (low/med) LOW Date Received: 09/18/92

Moisture: 14 decanted: (Y/N) N Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92

Injection Volume: 2.0(uL) Dilution Factor: 2000.0

PC Cleanup: (Y/N) Y pH: 6.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	750000	U
111-44-4	bis(2-Chloroethyl)Ether	750000	U
95-57-8	2-Chlorophenol	750000	U
541-73-1	1,3-Dichlorobenzene	750000	U
106-46-7	1,4-Dichlorobenzene	750000	U
95-50-1	1,2-Dichlorobenzene	750000	U
95-48-7	2-Methylphenol	750000	U
108-60-1	2,2-oxybis(1-Chloropropane)	750000	U
106-44-5	4-Methylphenol	750000	U
621-64-7	N-Nitroso-Di-n-Propylamine	750000	U
67-72-1	Hexachloroethane	750000	U
98-95-3	Nitrobenzene	750000	U
78-59-1	Isophorone	750000	U
88-75-5	2-Nitrophenol	750000	U
105-67-9	2,4-Dimethylphenol	750000	U
111-91-1	bis(2-Chloroethoxy)Methane	750000	U
120-83-2	2,4-Dichlorophenol	750000	U
120-82-1	1,2,4-Trichlorobenzene	750000	U
91-20-3	Naphthalene	750000	U
106-47-8	4-Chloroaniline	750000	U
87-68-3	Hexachlorobutadiene	750000	U
59-50-7	4-Chloro-3-Methylphenol	750000	U
91-57-6	2-Methylnaphthalene	750000	U
77-47-4	Hexachlorocyclopentadiene	750000	U
88-06-2	2,4,6-Trichlorophenol	750000	U
95-95-4	2,4,5-Trichlorophenol	1800000	U
91-58-7	2-Chloronaphthalene	750000	U
88-74-4	2-Nitroaniline	1800000	U
131-11-3	Dimethyl Phthalate	750000	U
208-96-8	Acenaphthylene	750000	U
606-20-2	2,6-Dinitrotoluene	750000	U
99-09-2	3-Nitroaniline	1800000	U
83-32-9	Acenaphthene	750000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: WEYERHAEUSER

Contract: 8270

WEY-AB-OE4
Fluor center 5'

Lab Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

Matrix: (soil/water) SOIL

Lab Sample ID: 96545

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: BN1029C

Level: (low/med) LOW

Date Received: 09/18/92

Moisture: 14 decanted: (Y/N) N

Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 2000.0

PC Cleanup: (Y/N) Y pH: 6.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

51-28-5-----	2,4-Dinitrophenol	1800000	U
100-02-7-----	4-Nitrophenol	1800000	U
132-64-9-----	Dibenzofuran	750000	U
121-14-2-----	2,4-Dinitrotoluene	750000	U
84-66-2-----	Diethylphthalate	750000	U
7005-72-3-----	4-Chlorophenyl-phenylether	750000	U
86-73-7-----	Fluorene	750000	U
100-01-6-----	4-Nitroaniline	1800000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	1800000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	750000	U
101-55-3-----	4-Bromophenyl-phenylether	750000	U
118-74-1-----	Hexachlorobenzene	750000	U
87-86-5-----	Pentachlorophenol	6000000	B
85-01-8-----	Phenanthrene	750000	U
120-12-7-----	Anthracene	750000	U
86-74-8-----	Carbazole	750000	U
84-74-2-----	Di-n-Butylphthalate	750000	U
206-44-0-----	Fluoranthene	750000	U
129-00-0-----	Pyrene	750000	U
85-68-7-----	Butylbenzylphthalate	750000	U
91-94-1-----	3,3'-Dichlorobenzidine	750000	U
56-55-3-----	Benzo(a)Anthracene	750000	U
218-01-9-----	Chrysene	750000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	750000	U
117-84-0-----	Di-n-Octyl Phthalate	750000	U
205-99-2-----	Benzo(b)Fluoranthene	750000	U
207-08-9-----	Benzo(k)Fluoranthene	750000	U
50-32-8-----	Benzo(a)Pyrene	750000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	750000	U
53-70-3-----	Dibenz(a,h)Anthracene	750000	U
191-24-2-----	Benzo(g,h,i)Perylene	750000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEY-AB-OE4
Flour Center 5'

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: 96545
 Sample wt/vol: 30.7 (g/mL) G Lab File ID: BN1029C
 Level: (low/med) LOW Date Received: 09/18/92
 Moisture: 14 decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92
 Injection Volume: 2.0(uL) Dilution Factor: 2000.0
 HPC Cleanup: (Y/N) Y pH: 6.4

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4901-51-3	PHENOL, 2,3,4,5--TETRACHLORO-	19.44	200000	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE5
West Wall 3'

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

Matrix: (soil/water) SOIL

Lab Sample ID: 96546

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: BN1029D

Level: (low/med) LOW

Date Received: 09/18/92

Moisture: 6 decanted: (Y/N) N

Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y

pH: 6.6

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.

COMPOUND

108-95-2-----	Phenol	1700	U
111-44-4-----	bis(2-Chloroethyl) Ether	1700	U
95-57-8-----	2-Chlorophenol	1700	U
541-73-1-----	1,3-Dichlorobenzene	1700	U
106-46-7-----	1,4-Dichlorobenzene	1700	U
95-50-1-----	1,2-Dichlorobenzene	1700	U
95-48-7-----	2-Methylphenol	1700	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	1700	U
106-44-5-----	4-Methylphenol	1700	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	1700	U
67-72-1-----	Hexachloroethane	1700	U
98-95-3-----	Nitrobenzene	1700	U
78-59-1-----	Isophorone	1700	U
88-75-5-----	2-Nitrophenol	1700	U
105-67-9-----	2,4-Dimethylphenol	1700	U
111-91-1-----	bis(2-Chloroethoxy)Methane	1700	U
120-83-2-----	2,4-Dichlorophenol	1700	U
120-82-1-----	1,2,4-Trichlorobenzene	1700	U
91-20-3-----	Naphthalene	1700	U
106-47-8-----	4-Chloroaniline	1700	U
87-68-3-----	Hexachlorobutadiene	1700	U
59-50-7-----	4-Chloro-3-Methylphenol	1700	U
91-57-6-----	2-Methylnaphthalene	1700	U
77-47-4-----	Hexachlorocyclopentadiene	1700	U
88-06-2-----	2,4,6-Trichlorophenol	1700	U
95-95-4-----	2,4,5-Trichlorophenol	4200	U
91-58-7-----	2-Chloronaphthalene	1700	U
88-74-4-----	2-Nitroaniline	4200	U
131-11-3-----	Dimethyl Phthalate	1700	U
208-96-8-----	Acenaphthylene	1700	U
606-20-2-----	2,6-Dinitrotoluene	1700	U
99-09-2-----	3-Nitroaniline	4200	U
83-32-9-----	Acenaphthene	1700	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE5
West Wall 3'

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

Matrix: (soil/water) SOIL

Lab Sample ID: 96546

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: BN1029D

Level: (low/med) LOW

Date Received: 09/18/92

Moisture: 6 decanted: (Y/N) N

Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

PC Cleanup: (Y/N) Y

pH: 6.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----	2,4-Dinitrophenol	4200	U
100-02-7-----	4-Nitrophenol	4200	U
132-64-9-----	Dibenzofuran	1700	U
121-14-2-----	2,4-Dinitrotoluene	1700	U
84-66-2-----	Diethylphthalate	1700	U
7005-72-3-----	4-Chlorophenyl-phenylether	1700	U
86-73-7-----	Fluorene	1700	U
100-01-6-----	4-Nitroaniline	4200	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	4200	U
86-30-6-----	N-Nitrosodiphenylamine (1)	1700	U
101-55-3-----	4-Bromophenyl-phenylether	1700	U
118-74-1-----	Hexachlorobenzene	1700	U
87-86-5-----	Pentachlorophenol	5500	B
85-01-8-----	Phenanthrene	1700	U
120-12-7-----	Anthracene	1700	U
86-74-8-----	Carbazole	1700	U
84-74-2-----	Di-n-Butylphthalate	1700	U
206-44-0-----	Fluoranthene	1700	U
129-00-0-----	Pyrene	1700	U
85-68-7-----	Butylbenzylphthalate	1700	U
91-94-1-----	3,3'-Dichlorobenzidine	1700	U
56-55-3-----	Benzo(a)Anthracene	1700	U
218-01-9-----	Chrysene	1700	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1700	U
117-84-0-----	Di-n-Octyl Phthalate	1700	U
205-99-2-----	Benzo(b)Fluoranthene	1700	U
207-08-9-----	Benzo(k)Fluoranthene	1700	U
50-32-8-----	Benzo(a)Pyrene	1700	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	1700	U
53-70-3-----	Dibenz(a,h)Anthracene	1700	U
191-24-2-----	Benzo(g,h,i)Perylene	1700	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEY-AB-OE5 <i>West well 3'</i>

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

Matrix: (soil/water) SOIL

Lab Sample ID: 96546

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: BN1029D

Level: (low/med) LOW

Date Received: 09/18/92

Moisture: 6 decanted: (Y/N) N

Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/29/92

Injection Volume: 2.0(uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y

pH: 6.6

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.43	7300	BJNA

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: BN1028G
 Level: (low/med) LOW Date Received:
 Moisture: decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/28/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 PC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl) Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
108-60-1	2-oxybis(1-Chloropropane)	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	800	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	800	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
99-09-2	3-Nitroaniline	800	U
83-32-9	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: BN1028G
 Level: (low/med) LOW Date Received:
 % Moisture: decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/28/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 SPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	800	U
100-02-7-----	4-Nitrophenol	800	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	800	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	47	J
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: BN1028G
 Level: (low/med) LOW Date Received:
 Moisture: decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/28/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 PC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.88	64	J
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.18	6800	JNA
3. 100-52-7	BENZALDEHYDE	7.45	260	JN
4. 98-88-4	BENZOYL CHLORIDE	13.10	110	JN
5. 120-40-1	DODECANAMIDE, N,N-BIS(2-HYDR	18.62	270	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE1MS

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: 96542MS
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: BN1029E
 Level: (low/med) LOW Date Received: 09/18/92
 % Moisture: 15 decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92
 Injection Volume: 2.0(uL) Dilution Factor: 750.0
 GPC Cleanup: (Y/N) Y pH: 5.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	290000	U
111-44-4	bis(2-Chloroethyl) Ether	290000	U
95-57-8	2-Chlorophenol	290000	U
541-73-1	1,3-Dichlorobenzene	290000	U
106-46-7	1,4-Dichlorobenzene	290000	U
95-50-1	1,2-Dichlorobenzene	290000	U
95-48-7	2-Methylphenol	290000	U
108-60-1	2,2-oxybis(1-Chloropropane)	290000	U
106-44-5	4-Methylphenol	290000	U
621-64-7	N-Nitroso-Di-n-Propylamine	290000	U
67-72-1	Hexachloroethane	290000	U
98-95-3	Nitrobenzene	290000	U
78-59-1	Isophorone	290000	U
88-75-5	2-Nitrophenol	290000	U
105-67-9	2,4-Dimethylphenol	290000	U
111-91-1	bis(2-Chloroethoxy)Methane	290000	U
120-83-2	2,4-Dichlorophenol	290000	U
120-82-1	1,2,4-Trichlorobenzene	290000	U
91-20-3	Naphthalene	290000	U
106-47-8	4-Chloroaniline	290000	U
87-68-3	Hexachlorobutadiene	290000	U
59-50-7	4-Chloro-3-Methylphenol	290000	U
91-57-6	2-Methylnaphthalene	290000	U
77-47-4	Hexachlorocyclopentadiene	290000	U
88-06-2	2,4,6-Trichlorophenol	290000	U
95-95-4	2,4,5-Trichlorophenol	700000	U
91-58-7	2-Chloronaphthalene	290000	U
88-74-4	2-Nitroaniline	700000	U
131-11-3	Dimethyl Phthalate	290000	U
208-96-8	Acenaphthylene	290000	U
606-20-2	2,6-Dinitrotoluene	290000	U
99-09-2	3-Nitroaniline	700000	U
83-32-9	Acenaphthene	290000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE1MS

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: 96542MS
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: BN1029E
 Level: (low/med) LOW Date Received: 09/18/92
 Moisture: 15 decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92
 Injection Volume: 2.0(uL) Dilution Factor: 750.0
 RPC Cleanup: (Y/N) Y pH: 5.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol_____	700000	U
100-02-7-----	4-Nitrophenol_____	700000	U
132-64-9-----	Dibenzofuran_____	290000	U
121-14-2-----	2,4-Dinitrotoluene_____	290000	U
84-66-2-----	Diethylphthalate_____	290000	U
7005-72-3-----	4-Chlorophenyl-phenylether_____	290000	U
86-73-7-----	Fluorene_____	290000	U
100-01-6-----	4-Nitroaniline_____	700000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol_____	700000	U
86-30-6-----	N-Nitrosodiphenylamine (1)_____	290000	U
101-55-3-----	4-Bromophenyl-phenylether_____	290000	U
118-74-1-----	Hexachlorobenzene_____	290000	U
87-86-5-----	Pentachlorophenol_____	700000	U
85-01-8-----	Phenanthrene_____	290000	U
120-12-7-----	Anthracene_____	290000	U
86-74-8-----	Carbazole_____	290000	U
84-74-2-----	Di-n-Butylphthalate_____	290000	U
206-44-0-----	Fluoranthene_____	290000	U
129-00-0-----	Pyrene_____	290000	U
85-68-7-----	Butylbenzylphthalate_____	290000	U
91-94-1-----	3,3'-Dichlorobenzidine_____	290000	U
56-55-3-----	Benzo(a)Anthracene_____	290000	U
218-01-9-----	Chrysene_____	290000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate_____	290000	U
117-84-0-----	Di-n-Octyl Phthalate_____	290000	U
205-99-2-----	Benzo(b)Fluoranthene_____	290000	U
207-08-9-----	Benzo(k)Fluoranthene_____	290000	U
50-32-8-----	Benzo(a)Pyrene_____	290000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene_____	290000	U
53-70-3-----	Dibenz(a,h)Anthracene_____	290000	U
191-24-2-----	Benzo(g,h,i)Perylene_____	290000	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE1MSD

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: 96542MSD
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: BN1029F
 Level: (low/med) LOW Date Received: 09/18/92
 % Moisture: 15 decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92
 Injection Volume: 2.0(uL) Dilution Factor: 750.0
 GPC Cleanup: (Y/N) Y pH: 5.8

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	290000	U
111-44-4-----	bis(2-Chloroethyl) Ether	290000	U
95-57-8-----	2-Chlorophenol	290000	U
541-73-1-----	1,3-Dichlorobenzene	290000	U
106-46-7-----	1,4-Dichlorobenzene	290000	U
95-50-1-----	1,2-Dichlorobenzene	290000	U
95-48-7-----	2-Methylphenol	290000	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	290000	U
106-44-5-----	4-Methylphenol	290000	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	290000	U
67-72-1-----	Hexachloroethane	290000	U
98-95-3-----	Nitrobenzene	290000	U
78-59-1-----	Isophorone	290000	U
88-75-5-----	2-Nitrophenol	290000	U
105-67-9-----	2,4-Dimethylphenol	290000	U
111-91-1-----	bis(2-Chloroethoxy)Methane	290000	U
120-83-2-----	2,4-Dichlorophenol	290000	U
120-82-1-----	1,2,4-Trichlorobenzene	290000	U
91-20-3-----	Naphthalene	290000	U
106-47-8-----	4-Chloroaniline	290000	U
87-68-3-----	Hexachlorobutadiene	290000	U
59-50-7-----	4-Chloro-3-Methylphenol	290000	U
91-57-6-----	2-Methylnaphthalene	290000	U
77-47-4-----	Hexachlorocyclopentadiene	290000	U
88-06-2-----	2,4,6-Trichlorophenol	290000	U
95-95-4-----	2,4,5-Trichlorophenol	700000	U
91-58-7-----	2-Chloronaphthalene	290000	U
88-74-4-----	2-Nitroaniline	700000	U
131-11-3-----	Dimethyl Phthalate	290000	U
208-96-8-----	Acenaphthylene	290000	U
606-20-2-----	2,6-Dinitrotoluene	290000	U
99-09-2-----	3-Nitroaniline	700000	U
83-32-9-----	Acenaphthene	290000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WEY-AB-OE1MSD

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542
 Matrix: (soil/water) SOIL Lab Sample ID: 96542MSD
 Sample wt/vol: 30.2 (g/mL) G Lab File ID: BN1029F
 Level: (low/med) LOW Date Received: 09/18/92
 Moisture: 15 decanted: (Y/N) N Date Extracted: 09/25/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92
 Injection Volume: 2.0(uL) Dilution Factor: 750.0
 PC Cleanup: (Y/N) Y pH: 5.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	700000	U
100-02-7	4-Nitrophenol	700000	U
132-64-9	Dibenzofuran	290000	U
121-14-2	2,4-Dinitrotoluene	290000	U
84-66-2	Diethylphthalate	290000	U
7005-72-3	4-Chlorophenyl-phenylether	290000	U
86-73-7	Fluorene	290000	U
100-01-6	4-Nitroaniline	700000	U
534-52-1	4,6-Dinitro-2-Methylphenol	700000	U
86-30-6	N-Nitrosodiphenylamine (1)	290000	U
101-55-3	4-Bromophenyl-phenylether	290000	U
118-74-1	Hexachlorobenzene	290000	U
87-86-5	Pentachlorophenol	700000	U
85-01-8	Phenanthrene	290000	U
120-12-7	Anthracene	290000	U
86-74-8	Carbazole	290000	U
84-74-2	Di-n-Butylphthalate	290000	U
206-44-0	Fluoranthene	290000	U
129-00-0	Pyrene	290000	U
85-68-7	Butylbenzylphthalate	290000	U
91-94-1	3,3'-Dichlorobenzidine	290000	U
56-55-3	Benzo(a)Anthracene	290000	U
218-01-9	Chrysene	290000	U
117-81-7	bis(2-Ethylhexyl)phthalate	290000	U
117-84-0	Di-n-Octyl Phthalate	290000	U
205-99-2	Benzo(b)Fluoranthene	290000	U
207-08-9	Benzo(k)Fluoranthene	290000	U
50-32-8	Benzo(a)Pyrene	290000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	290000	U
53-70-3	Dibenz(a,h)Anthracene	290000	U
191-24-2	Benzo(g,h,i)Perylene	290000	U

(1) - Cannot be separated from Diphenylamine



Date November 19, 1992
From Dennis Catalano
Location Tacoma, WTC 2F25
Subject **SR# 09787 Aberdeen Sawmill Excavation for Penta/NP-1**
To Gary Roethler WTC 2H4

Attached are the results from the samples you requested we analyze for BNAs to include Pentachlorophenol. If you have any questions about the results please contact me at 924-6242.

Thank you for the opportunity to be of service to you. I hope we can be of assistance in the future.

A handwritten signature in black ink, appearing to read "Dennis Catalano", with a long horizontal line extending to the right.

Dennis Catalano
Analytical Chemistry Laboratories

Attachment

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-NPERIPH

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96848

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN1030A

Level: (low/med) LOW

Date Received: 09/23/92

Moisture: 4 decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/30/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

SPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	6800	U
111-44-4-----	bis(2-Chloroethyl)Ether	6800	U
95-57-8-----	2-Chlorophenol	6800	U
541-73-1-----	1,3-Dichlorobenzene	6800	U
106-46-7-----	1,4-Dichlorobenzene	6800	U
95-50-1-----	1,2-Dichlorobenzene	6800	U
95-48-7-----	2-Methylphenol	6800	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	6800	U
106-44-5-----	4-Methylphenol	6800	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	6800	U
67-72-1-----	Hexachloroethane	6800	U
98-95-3-----	Nitrobenzene	6800	U
78-59-1-----	Isophorone	6800	U
88-75-5-----	2-Nitrophenol	6800	U
105-67-9-----	2,4-Dimethylphenol	6800	U
111-91-1-----	bis(2-Chloroethoxy)Methane	6800	U
120-83-2-----	2,4-Dichlorophenol	6800	U
120-82-1-----	1,2,4-Trichlorobenzene	6800	U
91-20-3-----	Naphthalene	6800	U
106-47-8-----	4-Chloroaniline	6800	U
87-68-3-----	Hexachlorobutadiene	6800	U
59-50-7-----	4-Chloro-3-Methylphenol	6800	U
91-57-6-----	2-Methylnaphthalene	6800	U
77-47-4-----	Hexachlorocyclopentadiene	6800	U
88-06-2-----	2,4,6-Trichlorophenol	6800	U
95-95-4-----	2,4,5-Trichlorophenol	4600	J
91-58-7-----	2-Chloronaphthalene	6800	U
88-74-4-----	2-Nitroaniline	17000	U
131-11-3-----	Dimethyl Phthalate	6800	U
208-96-8-----	Acenaphthylene	6800	U
606-20-2-----	2,6-Dinitrotoluene	6800	U
99-09-2-----	3-Nitroaniline	17000	U
83-32-9-----	Acenaphthene	6800	U

IC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-NPERIPH

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96848

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: BN1030A

Level: (low/med) LOW

Date Received: 09/23/92

% Moisture: 4 decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/30/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	17000	U
100-02-7-----	4-Nitrophenol	17000	U
132-64-9-----	Dibenzofuran	6800	U
121-14-2-----	2,4-Dinitrotoluene	6800	U
84-66-2-----	Diethylphthalate	6800	U
7005-72-3-----	4-Chlorophenyl-phenylether	6800	U
86-73-7-----	Fluorene	6800	U
100-01-6-----	4-Nitroaniline	17000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	17000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	6800	U
101-55-3-----	4-Bromophenyl-phenylether	6800	U
118-74-1-----	Hexachlorobenzene	6800	U
87-86-5-----	Pentachlorophenol	480000	E
85-01-8-----	Phenanthrene	6800	U
120-12-7-----	Anthracene	6800	U
86-74-8-----	Carbazole	6800	U
84-74-2-----	Di-n-Butylphthalate	6800	U
206-44-0-----	Fluoranthene	6800	U
129-00-0-----	Pyrene	6800	U
85-68-7-----	Butylbenzylphthalate	6800	U
91-94-1-----	3,3'-Dichlorobenzidine	6800	U
56-55-3-----	Benzo(a)Anthracene	6800	U
218-01-9-----	Chrysene	6800	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	6800	U
117-84-0-----	Di-n-Octyl Phthalate	6800	U
205-99-2-----	Benzo(b) Fluoranthene	6800	U
207-08-9-----	Benzo(k) Fluoranthene	6800	U
50-32-8-----	Benzo(a) Pyrene	6800	U
193-39-5-----	Indeno(1,2,3-cd) Pyrene	6800	U
53-70-3-----	Dibenz(a,h)Anthracene	6800	U
191-24-2-----	Benzo(g,h,i)Perylene	6800	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1-NPERIPH

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96848
 Sample wt/vol: 30.1 (g/mL) G Lab File ID: BN1030A
 Level: (low/med) LOW Date Received: 09/23/92
 Moisture: 4 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 SPC Cleanup: (Y/N) Y pH:
 Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.38	9600	BJNA
2. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	19.47	38000	JN
3. 143-07-7	DODECANOIC ACID	19.69	3400	JN
4.	UNKNOWN	34.41	1400	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-NPERIPHDL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96848DL
 Sample wt/vol: 30.1 (g/mL) G Lab File ID: BN1030G
 Level: (low/med) LOW Date Received: 09/23/92
 % Moisture: 4 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/92
 Injection Volume: 2.0(uL) Dilution Factor: 300
 GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	100000	U
111-44-4	bis(2-Chloroethyl) Ether	100000	U
95-57-8	2-Chlorophenol	100000	U
541-73-1	1,3-Dichlorobenzene	100000	U
106-46-7	1,4-Dichlorobenzene	100000	U
95-50-1	1,2-Dichlorobenzene	100000	U
95-48-7	2-Methylphenol	100000	U
108-60-1	2,2-oxybis(1-Chloropropane)	100000	U
106-44-5	4-Methylphenol	100000	U
621-64-7	N-Nitroso-Di-n-Propylamine	100000	U
67-72-1	Hexachloroethane	100000	U
98-95-3	Nitrobenzene	100000	U
78-59-1	Isophorone	100000	U
88-75-5	2-Nitrophenol	100000	U
105-67-9	2,4-Dimethylphenol	100000	U
111-91-1	bis(2-Chloroethoxy)Methane	100000	U
120-83-2	2,4-Dichlorophenol	100000	U
120-82-1	1,2,4-Trichlorobenzene	100000	U
91-20-3	Naphthalene	100000	U
106-47-8	4-Chloroaniline	100000	U
87-68-3	Hexachlorobutadiene	100000	U
59-50-7	4-Chloro-3-Methylphenol	100000	U
91-57-6	2-Methylnaphthalene	100000	U
77-47-4	Hexachlorocyclopentadiene	100000	U
88-06-2	2,4,6-Trichlorophenol	100000	U
95-95-4	2,4,5-Trichlorophenol	250000	U
91-58-7	2-Chloronaphthalene	100000	U
88-74-4	2-Nitroaniline	250000	U
131-11-3	Dimethyl Phthalate	100000	U
208-96-8	Acenaphthylene	100000	U
606-20-2	2,6-Dinitrotoluene	100000	U
99-09-2	3-Nitroaniline	250000	U
83-32-9	Acenaphthene	100000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-NPERIPHDL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96848DL
 Sample wt/vol: 30.1 (g/mL) G Lab File ID: BN1030G
 Level: (low/med) LOW Date Received: 09/23/92
 Moisture: 4 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/92
 Injection Volume: 2.0(uL) Dilution Factor: 300
 APC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	250000	U
100-02-7-----	4-Nitrophenol	250000	U
132-64-9-----	Dibenzofuran	100000	U
121-14-2-----	2,4-Dinitrotoluene	100000	U
84-66-2-----	Diethylphthalate	100000	U
7005-72-3-----	4-Chlorophenyl-phenylether	100000	U
86-73-7-----	Fluorene	100000	U
100-01-6-----	4-Nitroaniline	250000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	250000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	100000	U
101-55-3-----	4-Bromophenyl-phenylether	100000	U
118-74-1-----	Hexachlorobenzene	100000	U
87-86-5-----	Pentachlorophenol	290000	D
85-01-8-----	Phenanthrene	100000	U
120-12-7-----	Anthracene	100000	U
86-74-8-----	Carbazole	100000	U
84-74-2-----	Di-n-Butylphthalate	100000	U
206-44-0-----	Fluoranthene	100000	U
129-00-0-----	Pyrene	100000	U
85-68-7-----	Butylbenzylphthalate	100000	U
91-94-1-----	3,3'-Dichlorobenzidine	100000	U
56-55-3-----	Benzo(a)Anthracene	100000	U
218-01-9-----	Chrysene	100000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	100000	U
117-84-0-----	Di-n-Octyl Phthalate	100000	U
205-99-2-----	Benzo(b)Fluoranthene	100000	U
207-08-9-----	Benzo(k)Fluoranthene	100000	U
50-32-8-----	Benzo(a)Pyrene	100000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	100000	U
53-70-3-----	Dibenz(a,h)Anthracene	100000	U
191-24-2-----	Benzo(g,h,i)Perylene	100000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

1-NPERIPHDL

Lab Name: WEYERHAEUSER Contract: 8270
Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
Matrix: (soil/water) SOIL Lab Sample ID: 96848DL
Sample wt/vol: 30.1 (g/mL) G Lab File ID: BN1030G
Level: (low/med) LOW Date Received: 09/23/92
% Moisture: 4 decanted: (Y/N) N Date Extracted: 09/24/92
Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/92
Injection Volume: 2.0(uL) Dilution Factor: 300
GPC Cleanup: (Y/N) Y pH:

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	19.42	22000	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2CENTER

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96849

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: BN1030E

Level: (low/med) LOW

Date Received: 09/23/92

Moisture: 5 decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/30/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

EPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	6800	U
111-44-4-----	bis(2-Chloroethyl) Ether	6800	U
95-57-8-----	2-Chlorophenol	6800	U
541-73-1-----	1,3-Dichlorobenzene	6800	U
106-46-7-----	1,4-Dichlorobenzene	6800	U
95-50-1-----	1,2-Dichlorobenzene	6800	U
95-48-7-----	2-Methylphenol	6800	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	6800	U
106-44-5-----	4-Methylphenol	6800	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	6800	U
67-72-1-----	Hexachloroethane	6800	U
98-95-3-----	Nitrobenzene	6800	U
78-59-1-----	Isophorone	6800	U
88-75-5-----	2-Nitrophenol	6800	U
105-67-9-----	2,4-Dimethylphenol	6800	U
111-91-1-----	bis(2-Chloroethoxy)Methane	6800	U
120-83-2-----	2,4-Dichlorophenol	6800	U
120-82-1-----	1,2,4-Trichlorobenzene	6800	U
91-20-3-----	Naphthalene	6800	U
106-47-8-----	4-Chloroaniline	6800	U
87-68-3-----	Hexachlorobutadiene	6800	U
59-50-7-----	4-Chloro-3-Methylphenol	6800	U
91-57-6-----	2-Methylnaphthalene	6800	U
77-47-4-----	Hexachlorocyclopentadiene	6800	U
88-06-2-----	2,4,6-Trichlorophenol	6800	U
95-95-4-----	2,4,5-Trichlorophenol	10000	J
91-58-7-----	2-Chloronaphthalene	6800	U
88-74-4-----	2-Nitroaniline	16000	U
131-11-3-----	Dimethyl Phthalate	6800	U
208-96-8-----	Acenaphthylene	6800	U
606-20-2-----	2,6-Dinitrotoluene	6800	U
99-09-2-----	3-Nitroaniline	16000	U
83-32-9-----	Acenaphthene	6800	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2CENTER

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96849
 Sample wt/vol: 30.7 (g/mL) G Lab File ID: BN1030E
 Level: (low/med) LOW Date Received: 09/23/92
 % Moisture: 5 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	16000	U
100-02-7-----	4-Nitrophenol	16000	U
132-64-9-----	Dibenzofuran	6800	U
121-14-2-----	2,4-Dinitrotoluene	6800	U
84-66-2-----	Diethylphthalate	6800	U
7005-72-3-----	4-Chlorophenyl-phenylether	6800	U
86-73-7-----	Fluorene	6800	U
100-01-6-----	4-Nitroaniline	16000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	16000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	6800	U
101-55-3-----	4-Bromophenyl-phenylether	6800	U
118-74-1-----	Hexachlorobenzene	6800	U
87-86-5-----	Pentachlorophenol	1200000	E
85-01-8-----	Phenanthrene	6800	U
120-12-7-----	Anthracene	6800	U
86-74-8-----	Carbazole	6800	U
84-74-2-----	Di-n-Butylphthalate	6800	U
206-44-0-----	Fluoranthene	6800	U
129-00-0-----	Pyrene	6800	U
85-68-7-----	Butylbenzylphthalate	6800	U
91-94-1-----	3,3'-Dichlorobenzidine	6800	U
56-55-3-----	Benzo(a)Anthracene	6800	U
218-01-9-----	Chrysene	6800	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	6800	U
117-84-0-----	Di-n-Octyl Phthalate	6800	U
205-99-2-----	Benzo(b)Fluoranthene	6800	U
207-08-9-----	Benzo(k)Fluoranthene	6800	U
50-32-8-----	Benzo(a)Pyrene	6800	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	6800	U
53-70-3-----	Dibenz(a,h)Anthracene	6800	U
191-24-2-----	Benzo(g,h,i)Perylene	6800	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2CENTER

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96849
 Sample wt/vol: 30.7 (g/mL) G Lab File ID: BN1030E
 Level: (low/med) LOW Date Received: 09/23/92
 Moisture: 5 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 PC Cleanup: (Y/N) Y pH:
 Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.37	11000	BJNA
2. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	19.50	86000	JNA
3. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	22.89	1900	JN
4. 646-13-9	OCTADECANOIC ACID, 2-METHYL	30.32	1100	JN
5.	UNKNOWN	34.06	4900	J
6.	UNKNOWN	34.41	4700	J
7.	UNKNOWN	35.76	2900	J
8.	UNKNOWN	36.02	3400	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2CENTERDL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96849DL
 Sample wt/vol: 30.7 (g/mL) G Lab File ID: BN1030H
 Level: (low/med) LOW Date Received: 09/23/92
 % Moisture: 5 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/92
 Injection Volume: 2.0 (uL) Dilution Factor: 600
 GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	200000	U
111-44-4	bis(2-Chloroethyl) Ether	200000	U
95-57-8	2-Chlorophenol	200000	U
541-73-1	1,3-Dichlorobenzene	200000	U
106-46-7	1,4-Dichlorobenzene	200000	U
95-50-1	1,2-Dichlorobenzene	200000	U
95-48-7	2-Methylphenol	200000	U
108-60-1	2,2-oxybis(1-Chloropropane)	200000	U
106-44-5	4-Methylphenol	200000	U
621-64-7	N-Nitroso-Di-n-Propylamine	200000	U
67-72-1	Hexachloroethane	200000	U
98-95-3	Nitrobenzene	200000	U
78-59-1	Isophorone	200000	U
88-75-5	2-Nitrophenol	200000	U
105-67-9	2,4-Dimethylphenol	200000	U
111-91-1	bis(2-Chloroethoxy) Methane	200000	U
120-83-2	2,4-Dichlorophenol	200000	U
120-82-1	1,2,4-Trichlorobenzene	200000	U
91-20-3	Naphthalene	200000	U
106-47-8	4-Chloroaniline	200000	U
87-68-3	Hexachlorobutadiene	200000	U
59-50-7	4-Chloro-3-Methylphenol	200000	U
91-57-6	2-Methylnaphthalene	200000	U
77-47-4	Hexachlorocyclopentadiene	200000	U
88-06-2	2,4,6-Trichlorophenol	200000	U
95-95-4	2,4,5-Trichlorophenol	490000	U
91-58-7	2-Chloronaphthalene	200000	U
88-74-4	2-Nitroaniline	490000	U
131-11-3	Dimethyl Phthalate	200000	U
208-96-8	Acenaphthylene	200000	U
606-20-2	2,6-Dinitrotoluene	200000	U
99-09-2	3-Nitroaniline	490000	U
83-32-9	Acenaphthene	200000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2CENTERDL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96849DL
 Sample wt/vol: 30.7 (g/mL) G Lab File ID: BN1030H
 Level: (low/med) LOW Date Received: 09/23/92
 Moisture: 5 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/92
 Injection Volume: 2.0(uL) Dilution Factor: 600
 HPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	490000	U
100-02-7-----	4-Nitrophenol	490000	U
132-64-9-----	Dibenzofuran	200000	U
121-14-2-----	2,4-Dinitrotoluene	200000	U
84-66-2-----	Diethylphthalate	200000	U
7005-72-3-----	4-Chlorophenyl-phenylether	200000	U
86-73-7-----	Fluorene	200000	U
100-01-6-----	4-Nitroaniline	490000	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	490000	U
86-30-6-----	N-Nitrosodiphenylamine (1)	200000	U
101-55-3-----	4-Bromophenyl-phenylether	200000	U
118-74-1-----	Hexachlorobenzene	200000	U
87-86-5-----	Pentachlorophenol	560000	D
85-01-8-----	Phenanthrene	200000	U
120-12-7-----	Anthracene	200000	U
86-74-8-----	Carbazole	200000	U
84-74-2-----	Di-n-Butylphthalate	200000	U
206-44-0-----	Fluoranthene	200000	U
129-00-0-----	Pyrene	200000	U
85-68-7-----	Butylbenzylphthalate	200000	U
91-94-1-----	3,3'-Dichlorobenzidine	200000	U
56-55-3-----	Benzo(a)Anthracene	200000	U
218-01-9-----	Chrysene	200000	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	200000	U
117-84-0-----	Di-n-Octyl Phthalate	200000	U
205-99-2-----	Benzo(b)Fluoranthene	200000	U
207-08-9-----	Benzo(k)Fluoranthene	200000	U
50-32-8-----	Benzo(a)Pyrene	200000	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	200000	U
53-70-3-----	Dibenz(a,h)Anthracene	200000	U
191-24-2-----	Benzo(g,h,i)Perylene	200000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2CENTERDL

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96849DL
 Sample wt/vol: 30.7 (g/mL) G Lab File ID: BN1030H
 Level: (low/med) LOW Date Received: 09/23/92
 % Moisture: 5 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/92
 Injection Volume: 2.0(uL) Dilution Factor: 600
 GPC Cleanup: (Y/N) Y pH:

Number TICs found: 1 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	19.42	42000	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3-7

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96850
 Sample wt/vol: 30.8 (g/mL) G Lab File ID: BN1030K
 Level: (low/med) LOW Date Received: 09/23/92
 % Moisture: 18 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/31/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl) Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2-oxybis(1-Chloropropane)	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)Methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethyl Phthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3-7

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96850
 Sample wt/vol: 30.8 (g/mL) G Lab File ID: BN1030K
 Level: (low/med) LOW Date Received: 09/23/92
 % Moisture: 18 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/31/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	950	U
100-02-7-----	4-Nitrophenol	950	U
132-64-9-----	Dibenzofuran	390	U
121-14-2-----	2,4-Dinitrotoluene	390	U
84-66-2-----	Diethylphthalate	390	U
7005-72-3-----	4-Chlorophenyl-phenylether	390	U
86-73-7-----	Fluorene	390	U
100-01-6-----	4-Nitroaniline	950	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	950	U
86-30-6-----	N-Nitrosodiphenylamine (1)	390	U
101-55-3-----	4-Bromophenyl-phenylether	390	U
118-74-1-----	Hexachlorobenzene	390	U
87-86-5-----	Pentachlorophenol	460	J
85-01-8-----	Phenanthrene	390	U
120-12-7-----	Anthracene	390	U
86-74-8-----	Carbazole	390	U
84-74-2-----	Di-n-Butylphthalate	390	U
206-44-0-----	Fluoranthene	390	U
129-00-0-----	Pyrene	390	U
85-68-7-----	Butylbenzylphthalate	390	U
91-94-1-----	3,3'-Dichlorobenzidine	390	U
56-55-3-----	Benzo(a)Anthracene	390	U
218-01-9-----	Chrysene	390	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	250	J
117-84-0-----	Di-n-Octyl Phthalate	390	U
205-99-2-----	Benzo(b)Fluoranthene	390	U
207-08-9-----	Benzo(k)Fluoranthene	390	U
50-32-8-----	Benzo(a)Pyrene	390	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3-----	Dibenz(a,h)Anthracene	390	U
191-24-2-----	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

3-7

ab Name: WEYERHAEUSER Contract: 8270
 ab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96850
 Sample wt/vol: 30.8 (g/mL) G Lab File ID: BN1030K
 Level: (low/med) LOW Date Received: 09/23/92
 Moisture: 18 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/31/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 PC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.53	6100	BJNA
2.	UNKNOWN	12.09	89	J
3. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	19.42	68	JN
4. 143-07-7	DODECANOIC ACID	19.99	3100	JN
5.	UNKNOWN	28.12	1800	J
6.	CI50 D10-ACENAPHTHENE	33.17	110	J
7.	UNKNOWN	33.49	83	J
8.	UNKNOWN	33.94	86	J
9.	UNKNOWN	34.02	100	J
10.	UNKNOWN	34.09	94	J
11.	UNKNOWN	34.42	120	J
12.	UNKNOWN	34.72	210	J
13.	UNKNOWN	34.81	97	J
14.	UNKNOWN	34.91	91	J
15. 481-21-0	CHOLESTANE, (5.ALPHA.)-	35.09	90	JN
16.	UNKNOWN	35.17	62	J
17.	UNKNOWN	35.22	76	J
18.	UNKNOWN	35.77	74	J
19.	UNKNOWN	35.87	82	J
20.	UNKNOWN	37.12	150	J
21.	UNKNOWN	37.96	130	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4-8

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96851
 Sample wt/vol: 30.3 (g/mL) G Lab File ID: BN1101B
 Level: (low/med) LOW Date Received: 09/23/92
 % Moisture: 9 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/01/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2-----	Phenol	360	U
111-44-4-----	bis(2-Chloroethyl) Ether	360	U
95-57-8-----	2-Chlorophenol	360	U
541-73-1-----	1,3-Dichlorobenzene	360	U
106-46-7-----	1,4-Dichlorobenzene	360	U
95-50-1-----	1,2-Dichlorobenzene	360	U
95-48-7-----	2-Methylphenol	360	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	360	U
106-44-5-----	4-Methylphenol	360	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	360	U
67-72-1-----	Hexachloroethane	360	U
98-95-3-----	Nitrobenzene	360	U
78-59-1-----	Isophorone	360	U
88-75-5-----	2-Nitrophenol	360	U
105-67-9-----	2,4-Dimethylphenol	360	U
111-91-1-----	bis(2-Chloroethoxy)Methane	360	U
120-83-2-----	2,4-Dichlorophenol	360	U
120-82-1-----	1,2,4-Trichlorobenzene	360	U
91-20-3-----	Naphthalene	360	U
106-47-8-----	4-Chloroaniline	360	U
87-68-3-----	Hexachlorobutadiene	360	U
59-50-7-----	4-Chloro-3-Methylphenol	360	U
91-57-6-----	2-Methylnaphthalene	360	U
77-47-4-----	Hexachlorocyclopentadiene	360	U
88-06-2-----	2,4,6-Trichlorophenol	360	U
95-95-4-----	2,4,5-Trichlorophenol	870	U
91-58-7-----	2-Chloronaphthalene	360	U
88-74-4-----	2-Nitroaniline	870	U
131-11-3-----	Dimethyl Phthalate	360	U
208-96-8-----	Acenaphthylene	360	U
606-20-2-----	2,6-Dinitrotoluene	360	U
99-09-2-----	3-Nitroaniline	870	U
83-32-9-----	Acenaphthene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4-8

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96851

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: BN1101B

Level: (low/med) LOW

Date Received: 09/23/92

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	870	U
534-52-1	4,6-Dinitro-2-Methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	310	J
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	53	J
86-74-8	Carbazole	360	U
84-74-2	Di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	670	
129-00-0	Pyrene	730	
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)Anthracene	300	J
218-01-9	Chrysene	310	J
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-Octyl Phthalate	360	U
205-99-2	Benzo(b)Fluoranthene	320	J
207-08-9	Benzo(k)Fluoranthene	150	J
50-32-8	Benzo(a)Pyrene	200	J
193-39-5	Indeno(1,2,3-cd)Pyrene	170	J
53-70-3	Dibenz(a,h)Anthracene	360	U
191-24-2	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

4-8

Lab Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96851

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: BN1101B

Level: (low/med) LOW

Date Received: 09/23/92

% Moisture: 9 decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/01/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.33	4400	BJNA
2. 143-07-7	DODECANOIC ACID	19.97	3600	JN
3.	UNKNOWN	26.44	360	J
4.	UNKNOWN	26.84	420	J
5.	UNKNOWN	29.34	180	J
6.	UNKNOWN	29.67	270	J
7.	UNKNOWN	33.02	180	J
8.	UNKNOWN	33.09	330	J
9.	UNKNOWN	33.41	130	J
10.	UNKNOWN	33.96	200	J
11.	UNKNOWN	34.01	210	J
12.	UNKNOWN	34.64	360	J
13.	UNKNOWN	34.72	330	J
14.	UNKNOWN	34.82	280	J
15.	UNKNOWN	35.02	380	J
16.	UNKNOWN	35.09	570	J
17.	UNKNOWN	35.41	280	J
18.	UNKNOWN	35.69	270	J
19.	UNKNOWN	36.61	280	J
20.	UNKNOWN	37.02	490	J
21.	UNKNOWN	37.86	280	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5-9CONVEY

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96852
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: BN1101A
 Level: (low/med) LOW Date Received: 09/23/92
 Moisture: 10 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/01/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 SPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl) Ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	2,2-oxybis(1-Chloropropane)	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-Di-n-Propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-Methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	870	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethyl Phthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	870	U
83-32-9	Acenaphthene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5-9CONVEY

Lab Name: WEYERHAEUSER Contract: 8270
 Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848
 Matrix: (soil/water) SOIL Lab Sample ID: 96852
 Sample wt/vol: 30.5 (g/mL) G Lab File ID: BN1101A
 Level: (low/med) LOW Date Received: 09/23/92
 % Moisture: 10 decanted: (Y/N) N Date Extracted: 09/24/92
 Concentrated Extract Volume: 500.0 (uL) Date Analyzed: 11/01/92
 Injection Volume: 2.0(uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	870	U
100-02-7-----	4-Nitrophenol	870	U
132-64-9-----	Dibenzofuran	360	U
121-14-2-----	2,4-Dinitrotoluene	360	U
84-66-2-----	Diethylphthalate	360	U
7005-72-3-----	4-Chlorophenyl-phenylether	360	U
86-73-7-----	Fluorene	72	J
100-01-6-----	4-Nitroaniline	870	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	870	U
86-30-6-----	N-Nitrosodiphenylamine (1)	360	U
101-55-3-----	4-Bromophenyl-phenylether	360	U
118-74-1-----	Hexachlorobenzene	360	U
87-86-5-----	Pentachlorophenol	1800	
85-01-8-----	Phenanthrene	340	J
120-12-7-----	Anthracene	580	
86-74-8-----	Carbazole	190	J
84-74-2-----	Di-n-Butylphthalate	360	U
206-44-0-----	Fluoranthene	1200	
129-00-0-----	Pyrene	2000	
85-68-7-----	Butylbenzylphthalate	360	U
91-94-1-----	3,3'-Dichlorobenzidine	360	U
56-55-3-----	Benzo(a)Anthracene	520	
218-01-9-----	Chrysene	600	
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	J
117-84-0-----	Di-n-Octyl Phthalate	360	U
205-99-2-----	Benzo(b)Fluoranthene	380	
207-08-9-----	Benzo(k)Fluoranthene	140	J
50-32-8-----	Benzo(a)Pyrene	210	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	360	U
53-70-3-----	Dibenz(a,h)Anthracene	360	U
191-24-2-----	Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

5-9CONVEY

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96852

Sample wt/vol: 30.5 (g/mL) G

Lab File ID: BN1101A

Level: (low/med) LOW

Date Received: 09/23/92

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 11/01/92

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 21

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 67-68-5	METHANE, SULFINYLBI-	5.37	6300	JN
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.53	6000	BJNA
3.	UNKNOWN	10.34	2400	J
4.	UNKNOWN	10.82	3900	J
5.	UNKNOWN	14.12	11000	J
6.	UNKNOWN	16.27	3300	J
7.	UNKNOWN	19.37	4500	J
8.	UNKNOWN	19.75	880	J
9. 97-78-9	GLYCINE, N-METHYL-N-(1-OXODO	19.85	840	JN
10.	UNKNOWN	21.34	5200	J
11.	UNKNOWN	21.67	2500	J
12.	UNKNOWN	21.79	5600	J
13.	UNKNOWN	22.47	2500	J
14.	UNKNOWN	25.24	730	J
15.	UNKNOWN	26.17	910	J
16.	UNKNOWN	26.34	1100	J
17. 29812-79-1	HYDROXYLAMINE, O-DECYL-	26.44	2900	JN
18. 243-42-5	BENZO[B]NAPHTHO[2,3-D]FURAN	27.69	410	JN
19.	UNKNOWN	27.79	590	J
20. 243-17-4	11H-BENZO[B]FLUORENE	28.57	390	JN
21.	UNKNOWN	28.97	610	J

SBLKS1

Lab Name: WEYERHAEUSER	Contract: 8270	
Lab Code: WEYER	Case No.: 09787	SAS No.:
		SDG No.: 96848
Matrix: (soil/water) SOIL	Lab Sample ID: SBLKS1	
Sample wt/vol: 30.0 (g/mL) G	Lab File ID: BN1030F	
Level: (low/med) LOW	Date Received:	
% Moisture: decanted: (Y/N) N	Date Extracted: 09/24/92	
Concentrated Extract Volume: 500.0 (uL)	Date Analyzed: 10/30/92	
Injection Volume: 2.0(uL)	Dilution Factor: 1.0	
GPC Cleanup: (Y/N) Y	pH:	

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
108-95-2-----	Phenol	330	U
111-44-4-----	bis(2-Chloroethyl) Ether	330	U
95-57-8-----	2-Chlorophenol	330	U
541-73-1-----	1,3-Dichlorobenzene	330	U
106-46-7-----	1,4-Dichlorobenzene	330	U
95-50-1-----	1,2-Dichlorobenzene	330	U
95-48-7-----	2-Methylphenol	330	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	330	U
106-44-5-----	4-Methylphenol	330	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	330	U
67-72-1-----	Hexachloroethane	330	U
98-95-3-----	Nitrobenzene	330	U
78-59-1-----	Isophorone	330	U
88-75-5-----	2-Nitrophenol	330	U
105-67-9-----	2,4-Dimethylphenol	330	U
111-91-1-----	bis(2-Chloroethoxy)Methane	330	U
120-83-2-----	2,4-Dichlorophenol	330	U
120-82-1-----	1,2,4-Trichlorobenzene	330	U
91-20-3-----	Naphthalene	330	U
106-47-8-----	4-Chloroaniline	330	U
87-68-3-----	Hexachlorobutadiene	330	U
59-50-7-----	4-Chloro-3-Methylphenol	330	U
91-57-6-----	2-Methylnaphthalene	330	U
77-47-4-----	Hexachlorocyclopentadiene	330	U
88-06-2-----	2,4,6-Trichlorophenol	330	U
95-95-4-----	2,4,5-Trichlorophenol	800	U
91-58-7-----	2-Chloronaphthalene	330	U
88-74-4-----	2-Nitroaniline	800	U
131-11-3-----	Dimethyl Phthalate	330	U
208-96-8-----	Acenaphthylene	330	U
606-20-2-----	2,6-Dinitrotoluene	330	U
99-09-2-----	3-Nitroaniline	800	U
83-32-9-----	Acenaphthene	330	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: BN1030F

Level: (low/med) LOW

Date Received:

% Moisture: decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/30/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

51-28-5-----	2,4-Dinitrophenol	800	U
100-02-7-----	4-Nitrophenol	800	U
132-64-9-----	Dibenzofuran	330	U
121-14-2-----	2,4-Dinitrotoluene	330	U
84-66-2-----	Diethylphthalate	330	U
7005-72-3-----	4-Chlorophenyl-phenylether	330	U
86-73-7-----	Fluorene	330	U
100-01-6-----	4-Nitroaniline	800	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	800	U
86-30-6-----	N-Nitrosodiphenylamine (1)	330	U
101-55-3-----	4-Bromophenyl-phenylether	330	U
118-74-1-----	Hexachlorobenzene	330	U
87-86-5-----	Pentachlorophenol	800	U
85-01-8-----	Phenanthrene	330	U
120-12-7-----	Anthracene	330	U
86-74-8-----	Carbazole	330	U
84-74-2-----	Di-n-Butylphthalate	330	U
206-44-0-----	Fluoranthene	330	U
129-00-0-----	Pyrene	330	U
85-68-7-----	Butylbenzylphthalate	330	U
91-94-1-----	3,3'-Dichlorobenzidine	330	U
56-55-3-----	Benzo(a)Anthracene	330	U
218-01-9-----	Chrysene	330	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	330	U
117-84-0-----	Di-n-Octyl Phthalate	330	U
205-99-2-----	Benzo(b)Fluoranthene	330	U
207-08-9-----	Benzo(k)Fluoranthene	330	U
50-32-8-----	Benzo(a)Pyrene	330	U
193-39-5-----	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3-----	Dibenz(a,h)Anthracene	330	U
191-24-2-----	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: BN1030F

Level: (low/med) LOW

Date Received:

* Moisture: decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/30/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.02	95	J
2. 123-42-2	2-PENTANONE, 4-HYDROXY-4-MET	5.65	7600	JNA
3. 1186-53-4	PENTANE, 2,2,3,4-TETRAMETHYL	8.22	150	JN
4. 334-48-5	DECANOIC ACID	19.97	2800	JN
5. 57-10-3	HEXADECANOIC ACID	25.27	70	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5-9CONVEYMS

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96852MS

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: 2BN21116D

Level: (low/med) LOW

Date Received: 09/23/92

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/16/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

108-95-2-----	Phenol	360	U
111-44-4-----	bis(2-Chloroethyl) Ether	360	U
95-57-8-----	2-Chlorophenol	360	U
541-73-1-----	1,3-Dichlorobenzene	360	U
106-46-7-----	1,4-Dichlorobenzene	360	U
95-50-1-----	1,2-Dichlorobenzene	360	U
95-48-7-----	2-Methylphenol	360	U
108-60-1-----	2,2-oxybis(1-Chloropropane)	360	U
106-44-5-----	4-Methylphenol	360	U
621-64-7-----	N-Nitroso-Di-n-Propylamine	360	U
67-72-1-----	Hexachloroethane	360	U
98-95-3-----	Nitrobenzene	360	U
78-59-1-----	Isophorone	360	U
88-75-5-----	2-Nitrophenol	360	U
105-67-9-----	2,4-Dimethylphenol	360	U
111-91-1-----	bis(2-Chloroethoxy)Methane	360	U
120-83-2-----	2,4-Dichlorophenol	360	U
120-82-1-----	1,2,4-Trichlorobenzene	360	U
91-20-3-----	Naphthalene	360	U
106-47-8-----	4-Chloroaniline	360	U
87-68-3-----	Hexachlorobutadiene	360	U
59-50-7-----	4-Chloro-3-Methylphenol	360	U
91-57-6-----	2-Methylnaphthalene	360	U
77-47-4-----	Hexachlorocyclopentadiene	360	U
88-06-2-----	2,4,6-Trichlorophenol	360	U
95-95-4-----	2,4,5-Trichlorophenol	880	U
91-58-7-----	2-Chloronaphthalene	360	U
88-74-4-----	2-Nitroaniline	880	U
131-11-3-----	Dimethyl Phthalate	360	U
208-96-8-----	Acenaphthylene	360	U
606-20-2-----	2,6-Dinitrotoluene	360	U
99-09-2-----	3-Nitroaniline	880	U
83-32-9-----	Acenaphthene	360	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5-9CONVEYMS

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96852MS

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: 2BN21116D

Level: (low/med) LOW

Date Received: 09/23/92

% Moisture: 10 decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/16/92

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

51-28-5-----2,4-Dinitrophenol	880	U
100-02-7-----4-Nitrophenol	880	U
132-64-9-----Dibenzofuran	360	U
121-14-2-----2,4-Dinitrotoluene	360	U
84-66-2-----Diethylphthalate	360	U
7005-72-3-----4-Chlorophenyl-phenylether	360	U
86-73-7-----Fluorene	86	J
100-01-6-----4-Nitroaniline	880	U
534-52-1-----4,6-Dinitro-2-Methylphenol	880	U
86-30-6-----N-Nitrosodiphenylamine (1)	360	U
101-55-3-----4-Bromophenyl-phenylether	360	U
118-74-1-----Hexachlorobenzene	360	U
87-86-5-----Pentachlorophenol	880	U
85-01-8-----Phenanthrene	500	
120-12-7-----Anthracene	800	
86-74-8-----Carbazole	410	
84-74-2-----Di-n-Butylphthalate	48	J
206-44-0-----Fluoranthene	2100	
129-00-0-----Pyrene	360	U
85-68-7-----Butylbenzylphthalate	37	J
91-94-1-----3,3'-Dichlorobenzidine	360	U
56-55-3-----Benzo(a)Anthracene	750	
218-01-9-----Chrysene	1000	
117-81-7-----bis(2-Ethylhexyl)phthalate	480	
117-84-0-----Di-n-Octyl Phthalate	360	U
205-99-2-----Benzo(b)Fluoranthene	600	
207-08-9-----Benzo(k)Fluoranthene	290	J
50-32-8-----Benzo(a)Pyrene	280	J
193-39-5-----Indeno(1,2,3-cd)Pyrene	360	U
53-70-3-----Dibenz(a,h)Anthracene	360	U
191-24-2-----Benzo(g,h,i)Perylene	360	U

(1) - Cannot be separated from Diphenylamine

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5-9CONVEYMSD

Lab Name: WEYERHAEUSER Contract: 8270

Lab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848

Matrix: (soil/water) SOIL Lab Sample ID: 96852MSD

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 2BN21115E

Level: (low/med) LOW Date Received: 09/23/92

% Moisture: 10 decanted: (Y/N) N Date Extracted: 09/24/92

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/16/92

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl) Ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	2,2-oxybis(1-Chloropropane)	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-Di-n-Propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy) Methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-Methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethyl Phthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	370	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

5-9CONVEYMSD

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96852MSD

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: 2BN21115E

Level: (low/med) LOW

Date Received: 09/23/92

* Moisture: 10 decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 11/16/92

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

51-28-5-----	2,4-Dinitrophenol	890	U
100-02-7-----	4-Nitrophenol	890	U
132-64-9-----	Dibenzofuran	370	U
121-14-2-----	2,4-Dinitrotoluene	370	U
84-66-2-----	Diethylphthalate	370	U
7005-72-3-----	4-Chlorophenyl-phenylether	370	U
86-73-7-----	Fluorene	79	J
100-01-6-----	4-Nitroaniline	890	U
534-52-1-----	4,6-Dinitro-2-Methylphenol	890	U
86-30-6-----	N-Nitrosodiphenylamine (1)	370	U
101-55-3-----	4-Bromophenyl-phenylether	370	U
118-74-1-----	Hexachlorobenzene	370	U
87-86-5-----	Pentachlorophenol	890	U
85-01-8-----	Phenanthrene	300	J
120-12-7-----	Anthracene	520	
86-74-8-----	Carbazole	300	J
84-74-2-----	Di-n-Butylphthalate	370	U
206-44-0-----	Fluoranthene	910	
129-00-0-----	Pyrene	370	U
85-68-7-----	Butylbenzylphthalate	370	U
91-94-1-----	3,3'-Dichlorobenzidine	370	U
56-55-3-----	Benzo(a)Anthracene	830	
218-01-9-----	Chrysene	890	
117-81-7-----	bis(2-Ethylhexyl)phthalate	460	
117-84-0-----	Di-n-Octyl Phthalate	370	U
205-99-2-----	Benzo(b)Fluoranthene	550	
207-08-9-----	Benzo(k)Fluoranthene	260	J
50-32-8-----	Benzo(a)Pyrene	280	J
193-39-5-----	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3-----	Dibenz(a,h)Anthracene	370	U
191-24-2-----	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	1-NPERIPH	79	95	83	77	59	51	72	79	0
02	1-NPERIPHDL	0 D	0 D	0 D	0 D	0 D	0 D	0 D	0 D	0
03	2CENTER	84	107	92	81	63	53	75	82	0
04	2CENTERDL	0 D	0 D	0 D	0 D	0 D	0 D	0 D	0 D	0
05	3-7	81	82	84	77	57	56	70	71	0
06	4-8	61	78	102	63	35	66	51	42	0
07	5-9CONVEY	95	90	96	55	55	87	83	79	0
08	5-9CONVEYMS	56	93	79	68	55	107	66	62	0
09	5-9CONVEYMSD	70	83	83	79	66	81	82	75	0
10	SBLKS1	103	97	109	95	72	72	85	87	0

QC LIMITS

S1 (NBZ) = Nitrobenzene-d5 (23-120)
 S2 (FBP) = 2-Fluorobiphenyl (30-115)
 S3 (TPH) = Terphenyl-d14 (18-137)
 S4 (PHL) = Phenol-d5 (24-113)
 S5 (2FP) = 2-Fluorophenol (25-121)
 S6 (TBP) = 2,4,6-Tribromophenol (19-122)
 S7 (2CP) = 2-Chlorophenol-d4 (20-130) (advisory)
 S8 (DCB) = 1,2-Dichlorobenzene-d4 (20-130) (advisory)

Column to be used to flag recovery values
 * Values outside of contract required QC limits
 D Surrogate diluted out

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix Spike - EPA Sample No.: 5-9CONVEY

Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	2740	0	1470	54	26- 90
2-Chlorophenol	2740	0	1744	64	25-102
1,4-Dichlorobenzene	1830	0	1111	61	28-104
N-Nitroso-di-n-prop. (1)	1830	0	968.7	53	41-126
1,2,4-Trichlorobenzene	1830	0	1243	68	38-107
4-Chloro-3-methylphenol	2740	0	2029	74	26-103
Acenaphthene	1830	0	1784	97	31-137
4-Nitrophenol	2740	0	1250	46	11-114
2,4-Dinitrotoluene	1830	0	1956	107 *	28- 89
Pentachlorophenol	2740	1808	3462	60	17-109
Pyrene	1830	2034	3802	97	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
Phenol	2770	1715	62	14	35	26- 90
2-Chlorophenol	2770	2088	75	16	50	25-102
1,4-Dichlorobenzene	1840	1324	72	17	27	28-104
N-Nitroso-di-n-prop. (1)	1840	1225	67	23	38	41-126
1,2,4-Trichlorobenzene	1840	1516	82	19	23	38-107
4-Chloro-3-methylphenol	2770	2114	76	3	33	26-103
Acenaphthene	1840	1509	82	17	19	31-137
4-Nitrophenol	2770	833.7	30	42	50	11-114
2,4-Dinitrotoluene	1840	1627	88	19	47	28- 89
Pentachlorophenol	2770	1494	-11 *	290 *	47	17-109
Pyrene	1840	4500	134	32	36	35-142

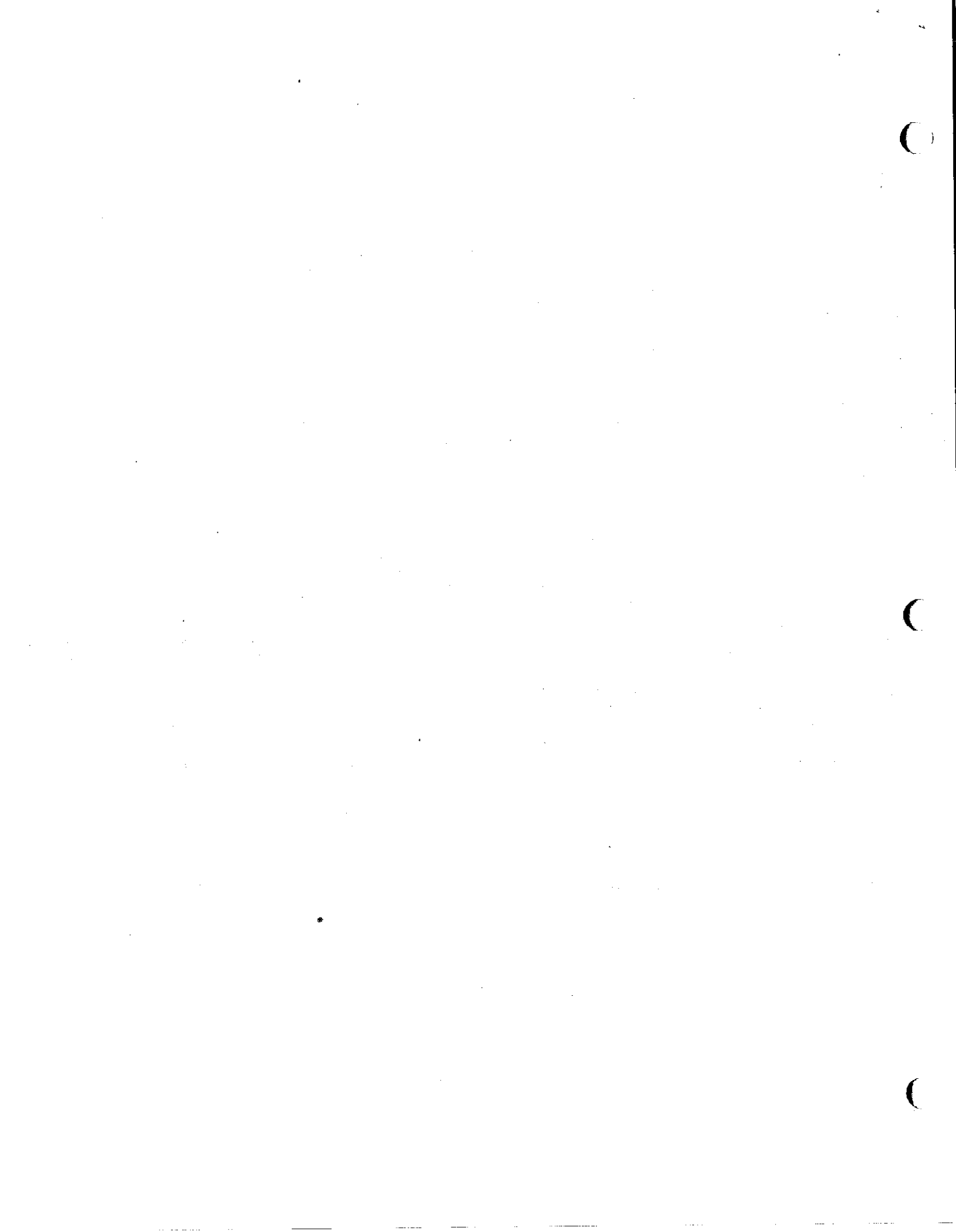
(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
 * Values outside of QC limits

RPD: 1 out of 11 outside limits

Spike Recovery: 2 out of 22 outside limits

COMMENTS: 96852 #5 -9 ALONG CONVEYER
 150(1)-300@20 INST=FINN



APPENDIX D GROUNDWATER SAMPLING FIELD DATA AND LABORATORY REPORT

(I did not scan this while I was at state archives. It consisted of a huge sheaf of lab reports. I did not see anything in the stack that looked like "field data" (i.e., screening results, notes, etc.). –Joyce Mercuri
6/15/17

APPENDIX E
BORING LOGS

Borehole Completion Summary
Aberdeen Sawmill

SITE	SURVEY COORDINATES			BORE DEPTH TOTAL feet bgs	DATE	DRILLING METHOD	DRILLER	CONSULTANT
	X	Y	Z					
D-01	817029	615028	14.40	14.0	05/24/90	Hollow Stem Auger	McDonald Holt Inc.	DOF, Inc.
D-02	817140	615049	14.20	14.5	05/24/90	Hollow Stem Auger	McDonald Holt Inc.	DOF, Inc.
D-03	817177	615007	13.48	9.0	05/24/90	Hollow Stem Auger	McDonald Holt Inc.	DOF, Inc.
D-04E	817009	615217	14.67	14.0	05/25/90	Hollow Stem Auger	McDonald Holt Inc.	DOF, Inc.
D-05	816958	615100	14.46	16.0	05/25/90	Hollow Stem Auger	McDonald Holt Inc.	DOF, Inc.
D-06	816896	615215	13.86	9.0	08/30/90	Hollow Stem Auger	McDonald Holt Inc.	DOF, Inc.
D-07	816840	615065	15.20	9.0	08/30/90	Hollow Stem Auger	McDonald Holt Inc.	DOF, Inc.
D-08	816969	615045	14.19	9.0	08/30/90	Hollow Stem Auger	McDonald Holt Inc.	DOF, Inc.
D-09	817047	615175	14.98	9.0	08/30/90	Hollow Stem Auger	McDonald Holt Inc.	DOF, Inc.

Well Completion Summary
Aberdeen Sawmill

SITE	WELL DEPTH TOTAL (feet bgs)	CASING DIAMETER (inches)	SCREENED INTERVAL (feet bgs)		FILTER PACK INTERVAL (feet bgs)		FIRST SEAL INTERVAL (feet bgs)		SECOND SEAL INTERVAL (feet bgs)		GROUND SURFACE ELEVATION (feet) ¹	MP ELEVATION (feet) ¹
			TOP	BOTTOM	TOP	BOTTOM	TYPE	INTERVAL	TYPE	INTERVAL		
D-01	14.00	2.00	4.00	14.00	3.00	14.00	BE	1.00	3.00		14.40	14.26
D-02	14.00	2.00	4.00	14.00	3.00	14.50	BE	1.00	3.00		14.20	13.91
D-03	9.00	2.00	4.00	9.00	3.00	9.00	BE	1.00	3.00		13.48	13.06
D-04E	14.00	2.00	4.00	14.00	3.00	14.00	BE	1.00	3.00		14.67	14.38
D-05	14.00	2.00	4.00	14.00	3.00	16.00	BE	1.00	3.00		14.46	14.29
D-06	9.00	2.00	3.70	8.70	3.00	9.00	BE	1.50	3.00		13.86	13.71
D-07	9.00	2.00	3.70	8.70	3.00	9.00	BE	1.50	3.00		15.20	14.97
D-08	9.00	2.00	3.70	8.70	3.00	9.00	BE	1.50	3.00		14.19	13.94
D-09	9.00	2.00	3.70	8.70	3.00	9.00	BE	1.50	3.00		14.98	14.75

1) Measurements based on City of Aberdeen datum



Elevation: 14.40'	Site Identification: D-01	
Datum: City of Aberdeen	Location: Aberdeen--Wood Products	
Consulting Firm: DOF, Inc.	Purpose:	
Logged By:	Date(s): 05/24/90 - 05/24/90	Borehole Dia.: 8.00"
Contractor: McDonald Holt Inc.	Total Depth: 14.00'	Completed Depth: 14.00'
Drilling Method: Hollow Stem Auger		Blank Casing: Diameter: 2.00" type: PVC fm: 0.2' to: 4.00'
Permit No.:	Permit Date: / /	Screens: Diameter: 2.00" type: Slotted size: .010" fm: 4.00' to: 14.00'
X Coordinate: 817029	Y Coordinate: 615028	Annular Fill: fm: .00' to: 1.00' type: Concrete fm: 1.00' to: 3.00' type: Bentonite Chips fm: 3.00' to: 14.00' type: Colorado Silica 10-20 Sand
Remarks: Based on consultant's boring log.		

Depth (ft)	Recovery	Sample No.	Blow Count	Graphic Log	USCS Callout	Material Description	Well Construction MP. EL. 14.26	Notes
0-1		S-1	31 51 R/5		GP	GRAVEL: damp, light brown, slightly silty sandy GRAVEL.		
1-2		S-2	21 17 10		SP	SAND: moist, brown, slightly silty to silty, fine gravelly SAND. SAND: wet, brown, fine gravelly SAND.		
2-3		S-3	3 2			SAND: wet, brown, fine gravelly SAND.		
3-4		S-4	1 1			SAND: wet, brown, fine gravelly SAND.		
4-5		S-5	1 2			SAND: wet, brown, fine gravelly SAND to 11.5 ft.		
5-6		S-6			ML/OL	SILT: saturated dark SILT with trace organic at 11.5 ft. SILT: wet, dark gray SILT with wood fragments and organic.		



Elevation: 14.20'	Site Identification: D-02	
Datum: City of Aberdeen	Location: Aberdeen--Wood Products	
Consulting Firm: DOF, Inc.	Purpose:	
Logged By:	Date(s): 05/24/90 - 05/24/90	Borehole Dia.: 8.00"
Contractor: McDonald Holt Inc.	Total Depth: 14.50'	Completed Depth: 14.00'

Drilling Method: Hollow Stem Auger		Blank Casing: Diameter: 2.00"	fm: 0.3'	to: 4.00'
Permit No.:	Permit Date: / /	type: PVC		
X Coordinate: 817140	Y Coordinate: 615049	Screens: Diameter: 2.00"	fm: 4.00'	to: 14.00'
		type: Slotted size: .020"		
Remarks: Based on consultant's boring log.		Annular Fill: fm: .00' to: 1.00'		
		type: Concrete fm: 1.00' to: 3.00'		
		type: Bentonite Chips fm: 3.00' to: 14.50'		
		type: Colorado Silica 10-20 Sand		

Depth (ft)	Recovery	Sample No.	Blow Count	Graphic Log	USCS Callout	Material Description	Well Construction	Notes
							MP. EL. 13.91	
		S-1	27		SP	SAND: moist, gray, slightly silty, fine gravelly SAND.		
		S-2	26			SAND: moist, brown, slightly silty fine gravelly SAND, with 1" Silt zone at 1/2 foot from sample end.		
5		S-3	16			SAND: wet, brown, fine gravelly SAND.		
		S-4	7			SAND: wet, brown fine gravelly SAND, with traces of wood fragments.		
10		S-5	2		ML	SILT: saturated, brown, fine gravelly SAND to 10.5 ft.		
		S-6	5			SILT: saturated dark SILT with trace organic to 11 ft, then grading to brown-gray silt.		
15			2			SILT: saturated, brown-gray SILT with wood fragments and organic.		
			2					
			4					
			P					
			P					
			P					



Elevation: 13.48'	Site Identification: D-03	
Datum: City of Aberdeen	Location: Aberdeen--Wood Products	
Consulting Firm: DOF, Inc.	Purpose:	
Logged By:	Date(s): 05/24/90 - 05/24/90	Borehole Dia.: 8.00"
Contractor: McDonald Holt Inc.	Total Depth: 9.00'	Completed Depth: 9.00'

Drilling Method: Hollow Stem Auger		Blank Casing: Diameter: 2.00"	fm: 0.4'	to: 4.00'
Permit No.:	Permit Date: / /	type: PVC		
X Coordinate: 817177	Y Coordinate: 615007	Screens: Diameter: 2.00"	fm: 4.00'	to: 9.00'
		type: Slotted size: .010"		
Remarks: Based on consultant's boring log.		Annular Fill: type: Grout	fm: .00'	to: 1.00'
		type: Bentonite Chips	fm: 1.00'	to: 3.00'
		type: Colorado Silica 10-20 Sand	fm: 3.00'	to: 9.00'

Depth (ft)	Recovery	Sample No.	Blow Count	Graphic Log	USCS Callout	Material Description	Well Construction	Notes
							MP. EL. 13.06	
0-1.5	█	S-1	19	●●	GP	GRAVEL: crushed GRAVEL to 1.5', then moist, gray, slightly silty		
1.5-4	█	S-2	16	●●	SP	fine gravelly SAND		
4-5.5	█	S-3	8	●●	ML	SAND: moist, brown, fine gravelly SAND to 4 ft. Then moist to wet, brown gray SILT with wood fragments and organic.		
5.5-6	█	S-4	4	●●		SILT: wet, dark gray-black SILT with wood fragments, grading to lighter brown-gray at 5.5 ft.		
6-9	█		2	●●		SILT: wet, brown gray SILT with trace organic.		



Weyerhaeuser

Elevation: 14.67'	Site Identification: D-04E	
Datum: City of Aberdeen	Location: Aberdeen--Wood Products	
Consulting Firm: DOF, Inc.	Purpose:	
Logged By:	Date(s): 05/25/90 - 05/25/90	Borehole Dia.: 8.00"
Contractor: McDonold Holt Inc.	Total Depth: 14.00'	Completed Depth: 14.00'

Drilling Method: Hollow Stem Auger		Blank Casing: Diameter: 2.00" type: PVC fm: 0.3' to: 4.00'
Permit No.:	Permit Date: / /	Screens: Diameter: 2.00" type: Slotted size: .020" fm: 4.00' to: 14.00'
X Coordinate: 817009	Y Coordinate: 615217	Annular Fill: type: Concrete fm: .00' to: 1.00' type: Bentonite Chips fm: 1.00' to: 3.00' type: Colorado Silico 10-20 Sand fm: 3.00' to: 14.00'
Remarks: Based on consultant's boring log.		

Depth (ft)	Recovery	Sample No.	Blow Count	Graphic Log	USCS Collout	Material Description	Well Construction MP. EL. 14.38	Notes
10		S-1	10		SP	SAND: moist, brown, slightly silty, fine gravelly SAND.		
11			11			SAND: moist, brown gray, medium to fine grained SAND with trace fine gravel and with a 1/2 inch SILT layer 2" above bottom.		
12		S-2	6			SAND: wet, fine gravelly SAND, only slight recovery in sample tube.		
13			1					
14		S-3	1					
15			1					
16		S-4	16			SAND: wet, slightly silty fine to medium SAND to 7.5 ft, then WOOD.		
17			51					
18		S-5	4			SAND: wet, brown, slightly silty fine to medium SAND.		
19			2					
20			1					
21		S-6	1		ML	SILT: wet, brown-gray SILT with abundant wood fragments and organic to 13.5',		
22			2			then slightly silty fine to medium SAND with wood and organic.		
23			1		SP			



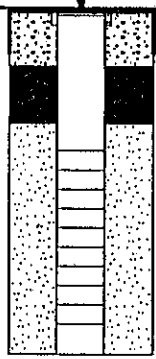
Elevation: 14.46'	Site Identification: D-05	
Datum: City of Aberdeen	Location: Aberdeen--Wood Products	
Consulting Firm: DOF, Inc.	Purpose:	
Logged By:	Date(s): 05/25/90 - 05/25/90	Borehole Dia.: 8.00"
Contractor: McDonald Holt Inc.	Total Depth: 16.00'	Completed Depth: 14.00'
Drilling Method: Hollow Stem Auger		Blank Casing: Diometer: 2.00" type: PVC fm: 0.2' to: 4.00'
Permit No.:	Permit Date: / /	Screens: Diometer: 2.00" type: Slotted size: .020" fm: 4.00' to: 14.00'
X Coordinate: 816958	Y Coordinate: 615100	Annular Fill: fm: .00' to: 1.00' type: Concrete fm: 1.00' to: 3.00' type: Bentonite Chips fm: 3.00' to: 16.00' type: Colorado Silica 10-20 Sand
Remarks: Based on consultant's boring log.		

Depth (ft)	Recovery	Sample No.	Blow Count	Graphic Log	USCS Callout	Material Description	Well Construction MP. EL. 14.29	Notes	
5		S-1 S-2 S-3A S-3B S-4	21 14 14 11 7 4 50 2 2 2 6 4 4 4 3/4"		SP WD	SAND: moist, brown, slightly silty, fine gravelly SAND, with an inch of wood at 2'. SAND: moist, brown, slightly silty, fine gravelly SAND with wood fragments. Becoming wet at 4'. WOOD: wet, WOOD and WOOD CHIPS. No soil.			
10		S-5	5 9 3/4"		ML	WOOD: wet, WOOD.			
15		S-6 S-7	1 1 2 1 2 1			SILT: wet, brown-gray SILT with wood fragments and organic. SILT: wet SILT with wood fragments and organic.			
20									
25									



Elevation: 13.86'	Site Identification: D-06	
Datum: City of Aberdeen	Location: Aberdeen--Wood Products	
Consulting Firm: DOF, Inc.	Purpose:	
Logged By:	Date(s): 08/30/90 - 08/30/90	Borehole Dia.: 8.00"
Contractor: McDonald Holt Inc.	Total Depth: 9.00'	Completed Depth: 9.00'

Drilling Method: Hollow Stem Auger		Blank Casing: Diameter: 2.00"	fm: D.2'	to: 3.70'
Permit No.:	Permit Date: / /	type: PVC		
X Coordinate: 816896	Y Coordinate: 615215	Screens: Diameter: 2.00"	fm: 3.70'	to: 8.70'
Remarks: Based on consultant's boring log.		type: Slotted size: .010"		
		Annular Fill: type: Concrete	fm: .00'	to: 1.50'
		type: Bentonite Chips	fm: 1.50'	to: 3.00'
		type: Colorado Silico 10-20 Sand	fm: 3.00'	to: 9.00'

Depth (ft)	Recovery	Sample No.	Blow Count	Graphic Log	USCS Callout	Material Description	Well Construction	Notes
							MP. EL. 13.71	
		S-1	Bag 1-3		GP	GRAVEL: paving and crushed rock to 6 inches. SAND and GRAVEL to 1.5 feet. Then slightly silty, fine gravelly SAND. SAND: wet, slightly silty, fine gravelly SAND.		
		S-2	Bag 3-9		SP			
5								
10								
15								
20								
25								



Elevation: 15.20'	Site Identification: D-07	
Datum: City of Aberdeen	Location: Aberdeen--Wood Products	
Consulting Firm: DOF, Inc.	Purpose:	
Logged By:	Date(s): 08/30/90 - 08/30/90	Borehole Dia.: 8.00"
Contractor: McDonald Holt Inc.	Total Depth: 9.00'	Completed Depth: 9.00'

Drilling Method: Hollow Stem Auger		Blank Casing: Diameter: 2.00"	fm: 0.2'	to: 3.70'
Permit No.:	Permit Date: / /	type: PVC		
X Coordinate: 816840	Y Coordinate: 615065	Screens: Diameter: 2.00"	fm: 3.70'	to: 8.70'
Remarks: Based on consultant's boring log.		type: Slotted size: .010"		
		Annular Fill: type: Concrete	fm: .00'	to: 1.50'
		type: Bentonite Chips	fm: 1.50'	to: 3.00'
		type: Colorado Silica 10-20 Sand	fm: 3.00'	to: 9.00'

Depth (ft)	Recovery	Sample No.	Blow Count	Graphic Log	USCS Collout	Material Description	Well Construction	Notes
0-3					GP	SAND: 0'-3': Paving and crushed rock.	<p>MP. EL. 14.97</p>	
3-4		S-1	50 / 4"		SP	At 3': moist, brown, slightly silty, fine gravelly SAND.		
4-7					WD	WOOD: Contact depth 4 to 7 feet, uncertain. Wood, with wet, slightly silty, fine gravelly SAND at 9 feet.		
7-9		S-2	3 / 5"					



Elevation: 14.19'	Site Identification: D-08	
Datum: City of Aberdeen	Location: Aberdeen--Wood Products	
Consulting Firm: DOF, Inc.	Purpose:	
Logged By:	Date(s): 08/30/90 - 08/30/90	Borehole Dia.: 8.00"
Contractor: McDonald Holt Inc.	Total Depth: 9.00'	Completed Depth: 9.00'

Drilling Method: Hollow Stem Auger		Blank Casing: Diameter: 2.00"	fm: 0.3'	to: 3.70'
Permit No.:	Permit Date: / /	type: PVC		
X Coordinate: 816969	Y Coordinate: 615045	Screens: Diameter: 2.00"	fm: 3.70'	to: 8.70'
Remarks: Based on consultant's boring log.		type: Slotted size: .010"		
		Annular Fill: type: Concrete	fm: .00'	to: 1.50'
		type: Bentonite Chips	fm: 1.50'	to: 3.00'
		type: Colorado Silica 10-20 Sand	fm: 3.00'	to: 9.00'

Depth (ft)	Recovery	Sample No.	Blow Count	Graphic Log	USCS Callout	Material Description	Well Construction	Notes
0					GP		MP. EL. 13.94	
0-2					SP	SAND: 0'-2': Paving and crushed rock. Then: moist, gray brown, slightly silty, fine gravelly SAND.		
4-7					WD	WOOD: Contact uncertain at 4 to 7 ft. Wood.		
5	S-1	10 8 2						
8	S-2	3 8 51 R/5'						
10								
15								
20								
25								



Elevation: 14.98'	Site Identification: D-09	
Datum: City of Aberdeen	Location: Aberdeen--Wood Products	
Consulting Firm: DOF, Inc.	Purpose:	
Logged By:	Date(s): 08/30/90 - 08/30/90	Borehole Dia.: 8.00"
Contractor: McDonald Holt Inc.	Total Depth: 9.00'	Completed Depth: 9.00'

Drilling Method: Hollow Stem Auger		Blank Casing: type: PVC	Diameter: 2.00"	fm: 0.3'	to: 3.70'
Permit No.:	Permit Date: / /	Screens: type: Slotted	size: .010"	Diameter: 2.00"	fm: 3.70' to: 8.70'
X Coordinate: 817047	Y Coordinate: 615175	Remarks: Based on consultant's boring log.			
		Annular Fill: type: Concrete	fm: .00'	to: 1.50'	
		type: Bentonite Chips	fm: 1.50'	to: 3.00'	
		type: Colorado Silica 10-20 Sand	fm: 3.00'	to: 9.00'	

Depth (ft)	Recovery	Sample No.	Blow Count	Graphic Log	USCS Callout	Material Description	Well Construction	Notes
0					GP		MP. EL. 14.75	
0-1.5					SP	SAND: 0'-1.5': Paving and crushed rock. Then: moist, brown, slightly silty, fine gravelly SAND.		
4-7				WD	WOOD: Contact uncertain at 4 to 7 ft. WOOD.			
5		S-1	11 7 5					
8		S-2	3 8 51 R/5'					
10								
15								
20								
25								

APPENDIX F
TIDAL STUDY EVALUATION

TIDAL STUDY EVALUATION

Procedures

A tidal response study was conducted at the Weyerhaeuser Aberdeen sawmill to determine the potential influence of river fluctuations on groundwater levels at the site. Eight monitoring wells and one point in the Chehalis River were monitored. The study occurred from March 29 to April 1, 1996, a period in which access to monitoring wells in areas of the mill with a high volume of traffic was possible. Monitoring wells were instrumented for the longest period during which access was permitted. The river was monitored for approximately 67 hours, wells D-04E, D-06, and D-09 were monitored for about 65 hours, and wells D-02, D-03, D-05, D-07, and D-08 were monitored for about 41 to 44 hours. A stilling well was installed at the west end of the dock to allow monitoring of the Chehalis River. The stilling well consisted of 2-inch-diameter PVC pipe with a lower screened section. To make the monitoring wells more weatherproof during the study, a temporary PVC riser was installed on the top of all monitoring wells except D-06.

Water levels in the eight monitoring wells and the river stilling well were measured and recorded every 5 minutes, using pressure transducers and programmable electronic data loggers. Near the beginning and end of the test, river and groundwater levels were measured with an electric well probe to allow correlation of the water levels with surveyed measuring points and to allow the correction of the data, if necessary, for instrument drift. At the end of the study, the data were downloaded to a personal computer, reduced, and analyzed.

The locations of the monitoring wells, the river stilling well, and a staff gauge in the river were surveyed by a registered surveyor. Each monitoring well was surveyed for well casing rim elevation, surface monument rim elevation, and temporary riser rim elevation, if applicable. The dock surface, the top of the stilling well, and a mark on the staff gauge were also surveyed. The horizontal datum was the Washington State Plane Coordinate System (NAD 83/91), and the vertical datum was the City of Aberdeen Datum (mean lower low water datum). Horizontal and vertical locations are shown in the attached table.

Results

The attached graphs illustrate the water elevations at each monitored location for the period of measurement. The vertical scale on the monitoring well graphs has been greatly

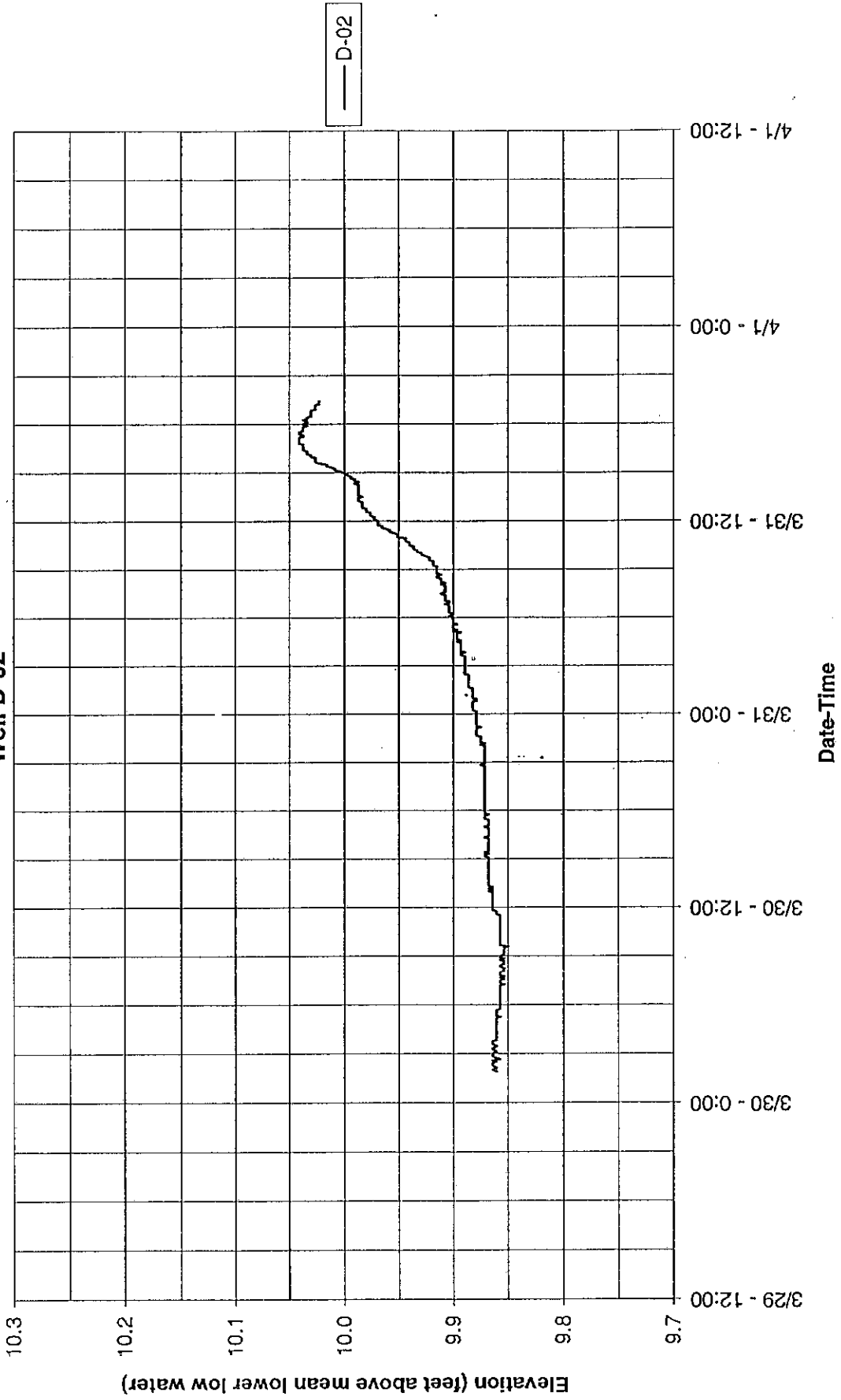
expanded relative to the river graph. As shown in the graphs, the water levels in the monitoring wells were relatively stable during the study, rising slightly during the latter half of the monitoring period. The stability of the water elevations indicates that groundwater at the monitoring well locations was not significantly affected by diurnal tidal fluctuations in the Chehalis River. The upward trend in monitoring well water elevations during the latter half of the monitoring period may indicate that shallow groundwater in the area was responding to other factors, such as rainfall infiltration or long-term surface water fluctuations.

The attached table summarizes the water elevations during the earliest tidal day in which all locations were monitored. An evaluation of results later in the tidal response study showed similar results. During this tidal day, groundwater elevations varied less than 0.1 foot at each monitoring well. The attached figure shows the mean groundwater elevation at each monitored location during this tidal day. As shown in this figure, the mean groundwater elevation was highest in the southeastern part of the facility, was relatively even across the rest of the monitored facility, and was lowest at the river. Although the groundwater gradient beneath the monitored portion of facility was relatively flat, the inferred groundwater flow direction is toward the river.

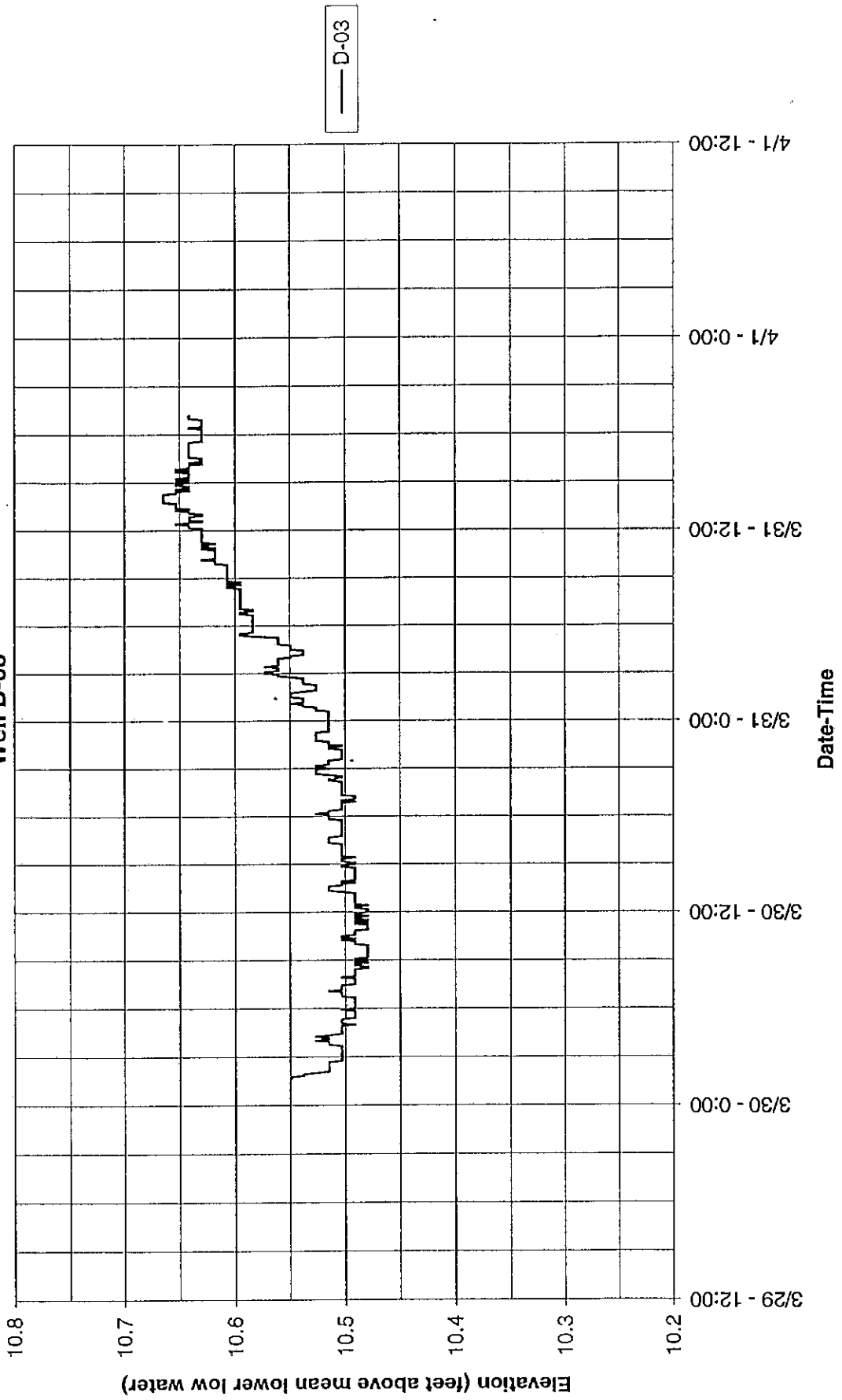
Table F-1
Well Survey Results
Weyerhaeuser Company Aberdeen Sawmill

Location	Northing	Easting	Elevation			
			Top of PVC Well Casing	Top of Temporary PVC Riser	Surface Monument Rim	Miscellaneous Point
Wells						
D-01	615,030.08	817,031.31	NM ^a	NM ^a	14.34	NA
D-02	615,048.87	817,141.11	13.91	14.92	14.18	NA
D-03	615,006.68	817,177.02	13.10	14.27	13.45	NA
D-04E	615,217.66	817,003.95	14.35	15.32	14.64	NA
D-05	615,105.79	816,958.81	14.24	15.08	14.39	NA
D-06	615,211.64	816,886.04	13.68	NA	13.78	NA
D-07	615,064.55	816,841.29	14.95	15.95	15.17	NA
D-08	615,044.89	816,969.81	13.96	14.94	14.13	NA
D-09	615,175.90	817,049.13	14.69	15.69	14.89	NA
River						
Stilling Well	615,439.67	816,540.33	10.89	NA	NA	14.63 ^b
Staff Gauge	615,380.58	816,380.72	NA	NA	NA	12.89 ^c
<p>Notes: Vertical datum = City of Aberdeen Datum (mean lower low water) Horizontal datum = Washington State Plane System (NAD 83/91) NM = not measured NA = not applicable</p> <p>^a Well casing lid could not be removed or broken to enable well access ^b Top of metal plate at deck surface ^c Top of nail on staff gauge (at "13.0" on staff gauge)</p>						

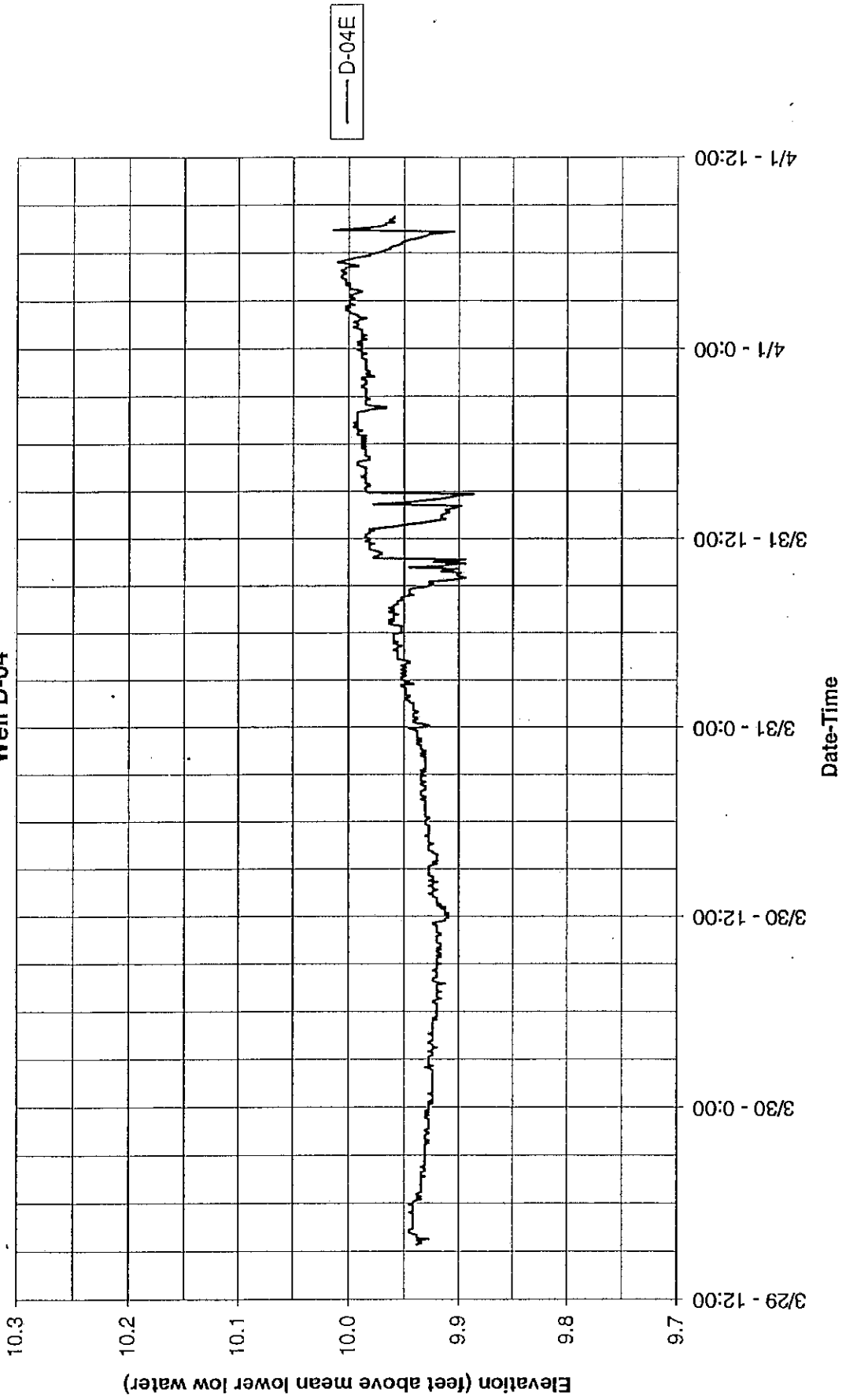
Tidal Response Study
Weyerhaeuser Company Aberdeen Sawmill
Well D-02



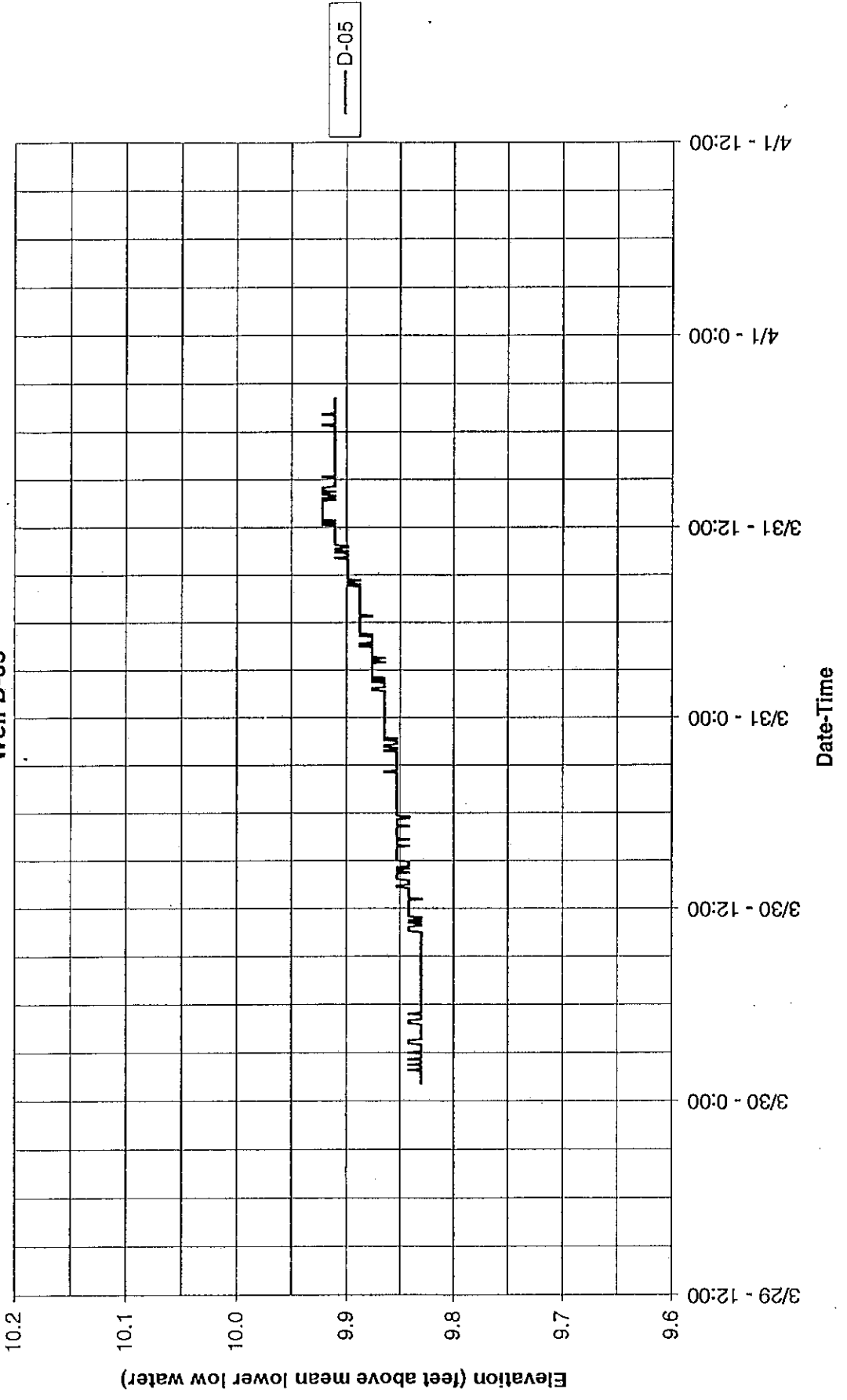
Tidal Response Study
Weyerhaeuser Company Aberdeen Sawmill
Well D-03



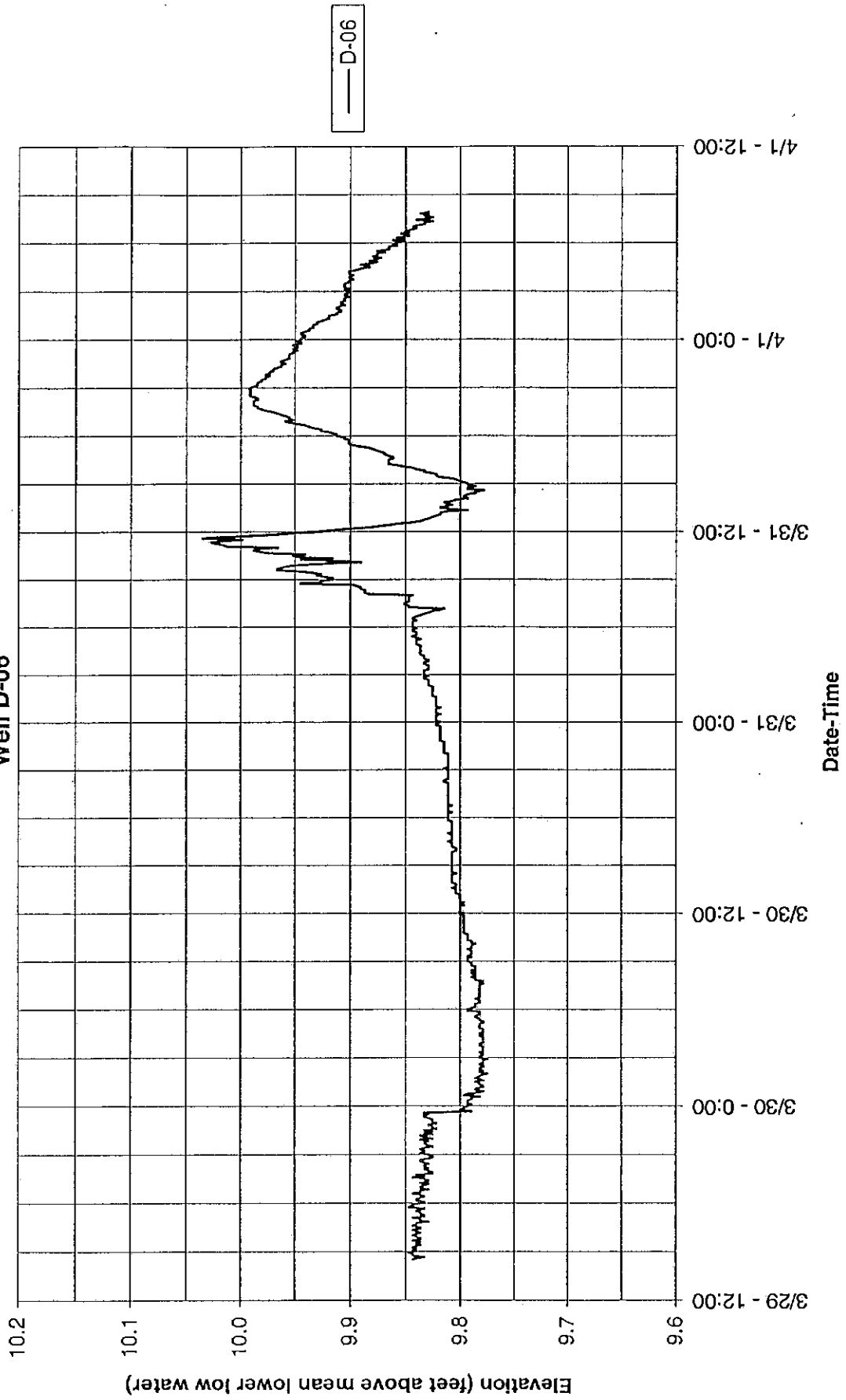
Tidal Response Study
Weyerhaeuser Company Aberdeen Sawmill
Well D-04



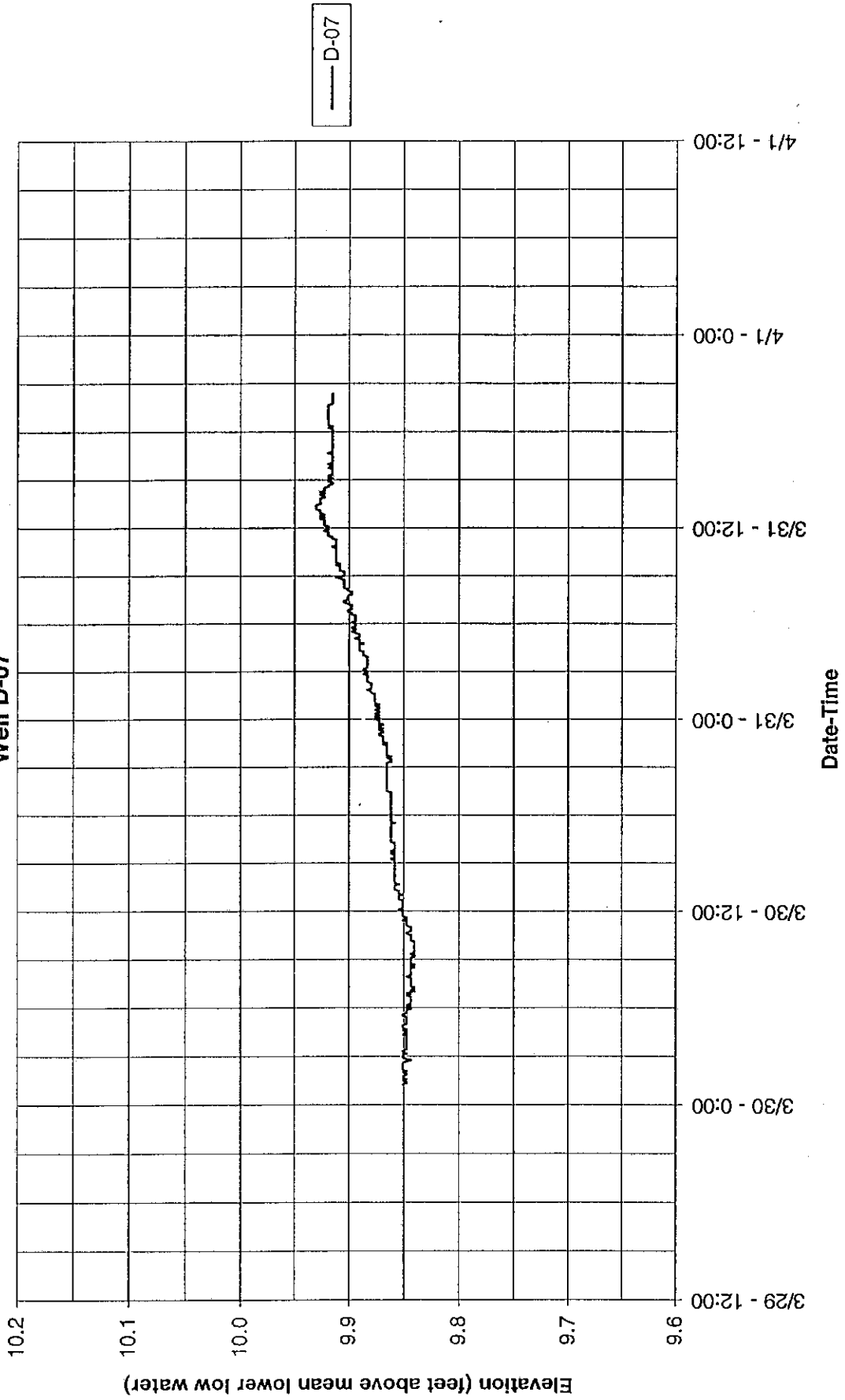
Tidal Response Study
Weyerhaeuser Company Aberdeen Sawmill
Well D-05



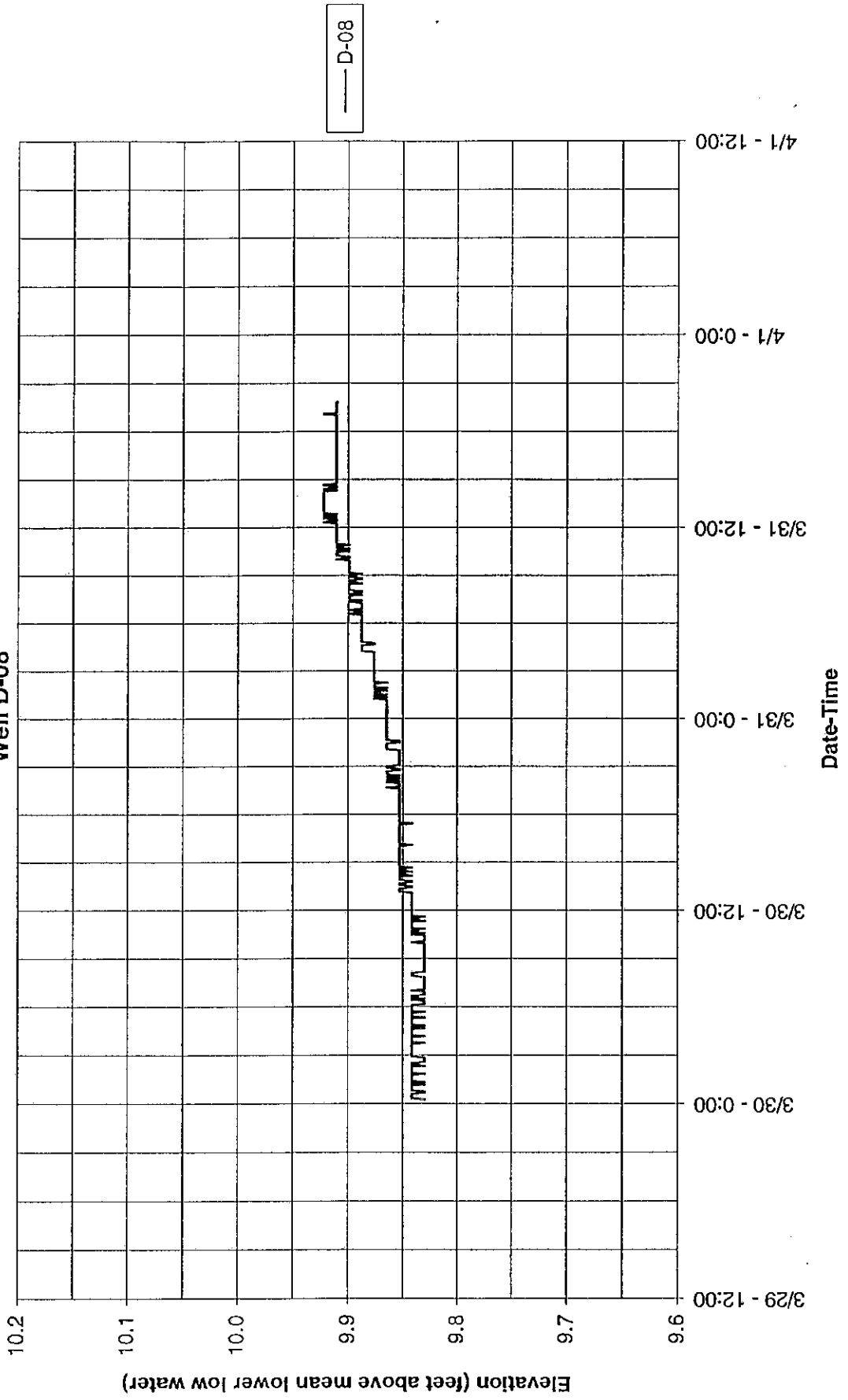
Tidal Response Study
Weyerhaeuser Company Aberdeen Sawmill
Well D-06



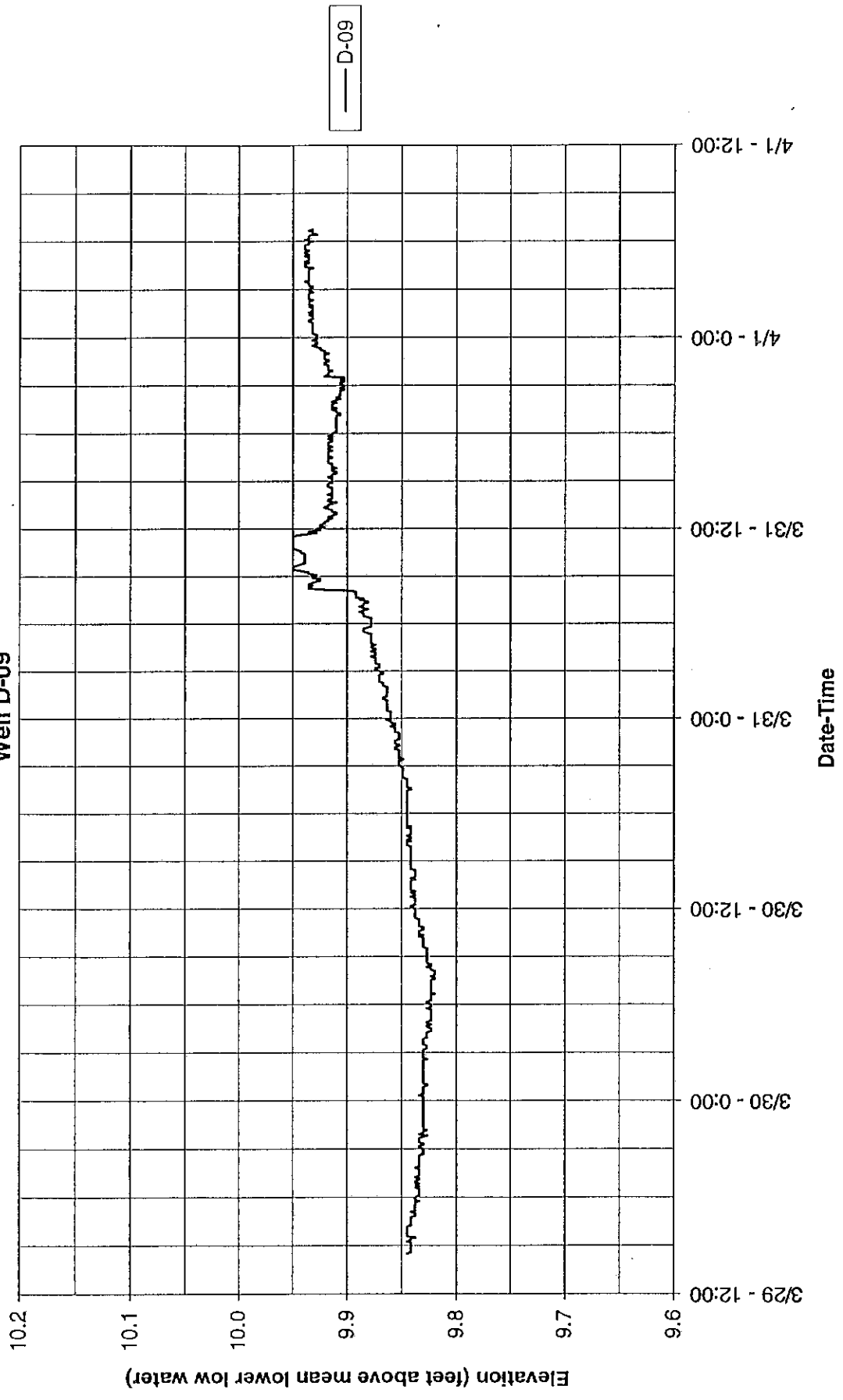
Tidal Response Study
Weyerhaeuser Company Aberdeen Sawmill
Well D-07



Tidal Response Study
Weyerhaeuser Company Aberdeen Sawmill
Well D-08

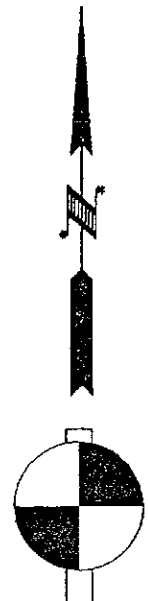
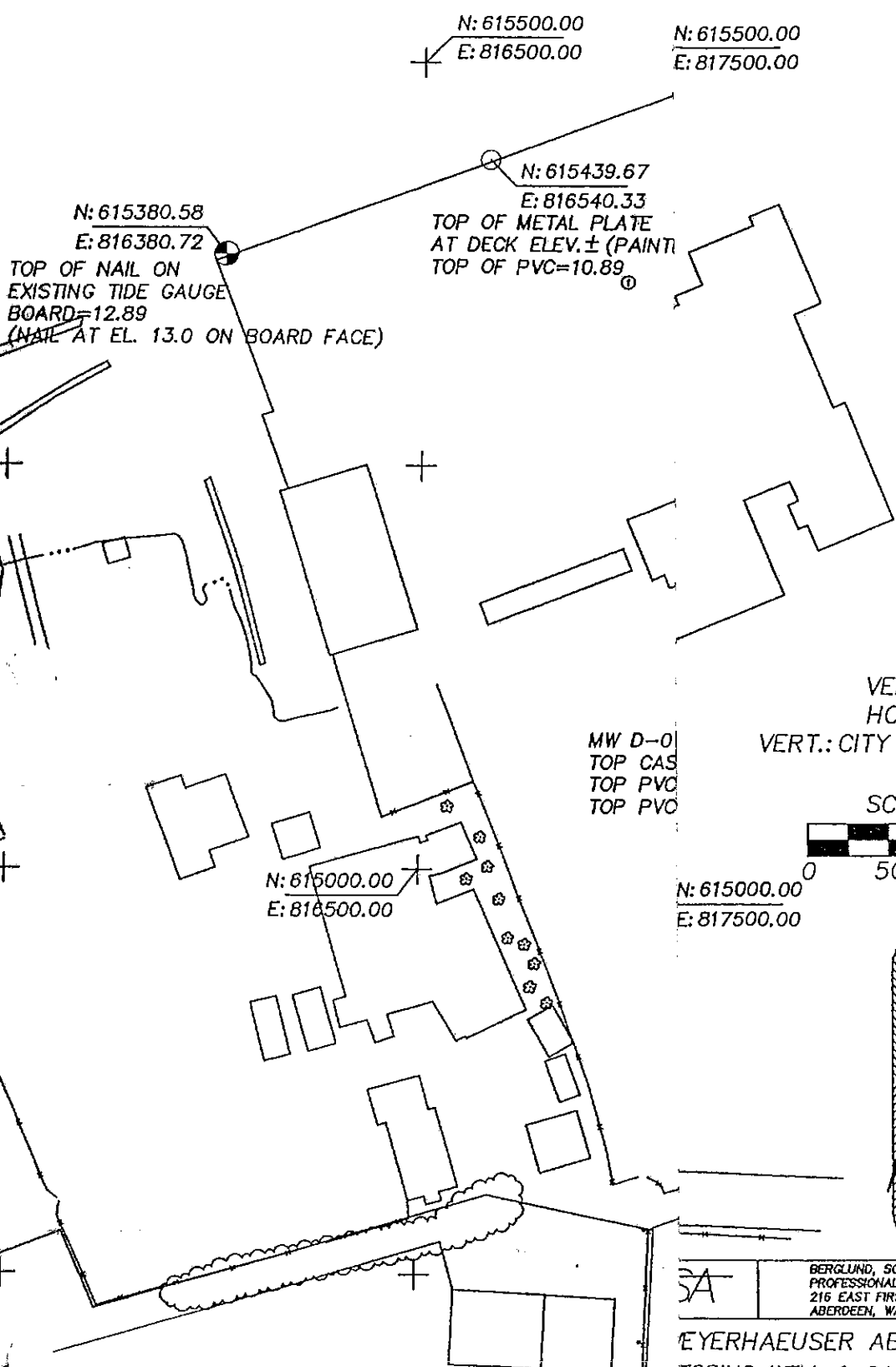


Tidal Response Study
Weyerhaeuser Company Aberdeen Sawmill
Well D-09



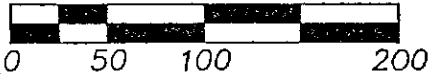
REVISIONS

DATE	DESCRIPTION	BY	APP'D.
1-96	CORRECTED ELEVATIONS AT RIVER GAUGE STA.	M.L.S.	



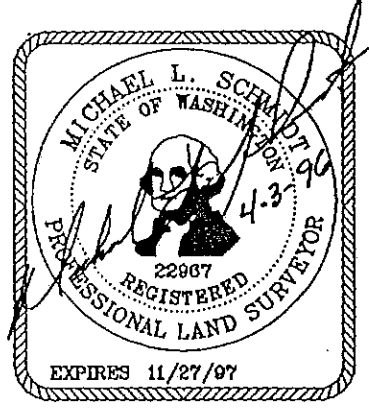
VERTICAL DATUM
HOR.: NAD 83/91
VERT.: CITY OF ABERDEEN M.L.L.W.

SCALE: 1"=100



N: 615000.00
E: 817500.00

MW D-01
TOP CAS
TOP PVC
TOP PVC



BERGLUND, SCHMIDT AND ASSOCIATES, INC.
PROFESSIONAL ENGINEERS AND LAND SURVEYORS
216 EAST FIRST STREET
ABERDEEN, WASHINGTON 98520 (360)532-7630

EYERHAEUSER ABERDEEN SAWMILL
TORING WELL & GAUGING STA. LOCATIONS
(PROJECT NO. 40141-077.001)

CURTIS STREET

M.L.S.	SCALE: 1"=100	DWG. NO.: 96109
-1-96	LOCATION: ABERDEEN, WASHINGTON	

APPENDIX G
MSDS FOR NP-1

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: SAPSTAIN CONTROL CHEMICAL NP-1
 MSDS#: P16576VS
 DATE ISSUED: 01/11/95
 ISSUED BY: 008569
 SYNONYM: None
 APPEARANCE: Amber liquid with detergent like odor
 CAS NUMBER: Mixture

SECTION 2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	REG AGENCY	PPM	NOTES	MG/M3	NOTES
3-ido-2-propynyl butyl carbamate CAS NUMBER: 55406-53-6 PERCENT BY WGT: 5 TO 10			(None established)		
Ethyl alcohol CAS NUMBER: 64-17-5 PERCENT BY WGT: 5 TO 10	ACGIH TLV 1000 OSHA TWA	1880 1000			1900
Petroleum distillates CAS NUMBER: 64742-95-6 PERCENT BY WGT 1 TO 5	NIOSH NIOSH STEL OSHA TWA	- - 400		350 1800 1600	 4
Didecyl dimethyl ammonium chloride CAS NUMBER: 7173-51-5 PERCENT BY WGT: 60 TO 65			(None established.)		

NOTES:
 4) The short term exposure limit (STEL) is a 15-minute TWA exposure that should not be exceeded by any time during a workday.

SECTION III - HAZARDOUS IDENTIFICATION

EYE: Substance causes severe eye irritation. Injury may be permanent.
 SKIN: Substance is CORROSIVE. Causes skin burns.
 INHALATION: Harmful if inhaled. Irritating to respiratory tract. Prolonged inhalation of concentrated mists may be fatal.
 INGESTION: May be fatal if swallowed.

SECTION IV FIRST AID MEASURES

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Consult medical personnel.

SKIN CONTACT: Wash thoroughly with soap and water. Remove contaminated clothing if irritation persists, get medical attention.

INHALATION: Remove to fresh air. If not breathing, give mouth-to-mouth resuscitation, or give oxygen by trained personnel. Get medical attention.

INGESTION: If swallowed, Do NOT induce vomiting. Give victim a glass of milk or 1 to 2 oz. (30 to 60 g) of activated charcoal in water, as tolerated. Call a physician or poison control center immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIAN:

Mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be required. Although carbamates are known to cause cholinesterase inhibition, 3-Iodo-2-propynyl butyl carbamate did not inhibit cholinesterase in animal tests.

SECTION V - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT AND METHOD: 104 F/40 C (TCC)

AUTOIGNITION TEMP: No information found

FLAMMABLE LIMITS: (% BY VOLUME/AIR):

LOWER: UPPER:

No information found.

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, foam or water spray (fog)

FIRE-FIGHTING PROCEDURES: As in any fire, wear complete fire service protective equipment, including full-face MSHA/NIOSH approved or equivalent self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel. Toxic vapors may be given off in a fire. Contain run-off from fire.

FIRE AND EXPLOSION HAZARDS:

When heated (fire conditions), can release toxic vapors. Closed containers may explode when exposed to extreme heat (fire). "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or disposed of properly.

SECTION VI - SPILL, LEAK AND DISPOSAL INFORMATION

SMALL SPILL: Absorb spill with an inert material (e.g., sand or earth), then place in a chemical waste container.

LARGE SPILLS: Dike and contain spilled liquid with sand or earth. Do not use combustible products such as sawdust. Pump to storage or salvage vessel. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities that a spill has occurred.

REPORTING: This product, if released, is a USEPA defined ignitable hazardous waste. This product released into the environment must be reported to the National Response Center (1-800-424-8802). The reportable quantity (RQ)

for this product is 100 pounds.

SECTION VII -HANDLING AND STORAGE

HANDLING: Avoid prolonged or repeated breathing of vapors, mists or fumes. Avoid prolonged or repeated contact with skin or eyes. Observe good personal hygiene practices and recommended procedures. Handle and use in accordance with OSHA 29 CFR 1910.106. wash thoroughly after handling. DO NOT TAKE INTERNALLY.

SECTION VIII -EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient general/local exhaust ventilation in pattern/volume to control inhalation exposures below current exposure limits and areas below flammable vapor concentrations. Local exhaust is necessary for use in enclosed or confined spaces.

RESPIRATORS: Use a respirator with organic vapor cartridge if the area is not ventilated.

OTHER CLOTHING: Industrial safety glasses, minimum. As necessary for work area conditions: use side shields, goggles or faceshield. As required, industrial - resistant flexible-type gloves (nitrile, neoprene or equal). Water industrial-type work clothing and safety footwear. Depending on working conditions, i.e., contact potential, wear impervious protective garments such as head/neck cover, gloves, aprons, jackets, pants, coveralls, boots, etc.

SECTION IX -PHYSICAL DATA

Weight Per gallon (lbs):7.760	% Vol by Weight: Not determined
Vapor Density: >1	Boiling Point: Not determined
Vapor Pressure: <1 mm Hg	Evaporation rate: (Ether =1)<1
pH: 7.9	Specific Gravity: 0.9314
solubility in Water: Miscible	Viscosity: 145.04 cen/sec
% VOL by Volume : Not determined	

SECTION X - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: None

INCOMPATIBILITY: None known

HAZARDOUS DECOMPOSITION PRODUCT(S): Carbon monoxide, carbon dioxide, nitrous oxide, ammonium chloride.

SECTION XI - TOXICOLOGICAL DATA

This product has NOT been shown to produce an allergic reaction in humans based upon the results of human testing .

SECTION 12 ECOLOGICAL DATA

Consult the NP-1 (R) Recommended Practices Manual for information.

13 DISPOSAL CONSIDERATIONS

This product is a USEPA defined ignitable hazardous waste. Dispose of unusable product as a hazardous waste (D001) in accordance with local, state and federal regulations.

----- NOTICE -----

** VAN WATERS & ROGERS INC. ("VW&R") EXPRESSLY DISCLAIMS ALL EXPRESS OR

IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE,

WITH RESPECT TO THE PRODUCT OR INFORMATION PROVIDED HEREIN, AND SHALL UNDER

NO CIRCUMSTANCES BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

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* * * E N D O F M S D S * * *

APPENDIX H
SOIL AND GROUNDWATER SAMPLING DATABASE
SUMMARY TABLES

Soil Sample Results
Semi-volatiles

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft)	D-01	D-01	D-01	D-01
		D192 05/24/90 4.00	D193 05/24/90 6.50	D194 05/24/90 9.00	D196 05/24/90 14.00
Phenol		<760 U	<820 U	<810 U	<1200 U
Bis(2-chloroethyl) ether		<760 U	<820 U	<810 U	<1200 U
2-Chlorophenol		<760 U	<820 U	<810 U	<1200 U
1,3-Dichlorobenzene		<760 U	<820 U	<810 U	<1200 U
1,4-Dichlorobenzene		<760 U	<820 U	<810 U	<1200 U
Benzyl alcohol		<760 U	<820 U	<810 U	<1200 U
1,2-Dichlorobenzene		<760 U	<820 U	<810 U	<1200 U
2-Methylphenol		<760 U	<820 U	<810 U	<1200 U
Bis(2-chloro-1-methylethyl) ether		<760 U	<820 U	<810 U	<1200 U
4-Methylphenol		<760 U	<820 U	<810 U	<1200 U
N-Nitroso-di-n-propylamine		<760 U	<820 U	<810 U	<1200 U
Hexachloroethane		<760 U	<820 U	<810 U	<1200 U
Nitrobenzene		<760 U	<820 U	<810 U	<1200 U
Isophorone		<760 U	<820 U	<810 U	<1200 U
2-Nitrophenol		<760 U	<820 U	<810 U	<1200 U
2,4-Dimethylphenol		<760 U	<820 U	<810 U	<1200 U
Benzoic acid		<3700 U	<4000 U	<3900 U	<5600 U
Bis(2-chloroethoxy)methane		<760 U	<820 U	<810 U	<1200 U
2,4-Dichlorophenol		<760 U	<820 U	<810 U	<1200 U
1,2,4-Trichlorobenzene		<760 U	<820 U	<810 U	<1200 U
Naphthalene		<760 U	<820 U	<810 U	<1200 U
4-Chloroaniline		<760 U	<820 U	<810 U	<1200 U
Hexachlorobutadiene		<760 U	<820 U	<810 U	<1200 U
4-Chloro-3-methylphenol		<760 U	<820 U	<810 U	<1200 U
2-Methylnaphthalene		<760 U	<820 U	<810 U	<1200 U
Hexachlorocyclopentadiene		<760 U	<820 U	<810 U	<1200 U
2,4,6-Trichlorophenol		<760 U	<820 U	<810 U	<1200 U
2,4,5-Trichlorophenol		<3700 U	<4000 U	<3900 U	<5600 U
2-Chloronaphthalene		<760 U	<820 U	<810 U	<1200 U
2-Nitroaniline		<3700 U	<4000 U	<3900 U	<5600 U
Dimethyl phthalate		<760 U	<820 U	<810 U	<1200 U
Acenaphthylene		<760 U	<820 U	<810 U	<1200 U
2,6-Dinitrotoluene		<760 U	<820 U	<810 U	<1200 U
3-Nitroaniline		<3700 U	<4000 U	<3900 U	<5600 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

Soil Sample Results
Weyco Aberdeen

CONSTITUENT	(Units in ug/kg)	SITE	D-01	D-01	D-01	D-01
		SAMPLE ID	D152	D153	D154	D156
		DATE	05/24/90	05/24/90	05/24/90	05/24/90
		DEPTH (ft)	4.00	6.50	9.00	14.00
Acenaphthene			<760 U	<820 U	<810 U	<1200 U
2,4-Dinitrophenol			<3700 U	<4000 U	<3900 U	<5600 U
4-Nitrophenol			<3700 U	<4000 U	<3900 U	<5600 U
Dibenzofuran			<760 U	<820 U	<810 U	<1200 U
2,4-Dinitrotoluene			<760 U	<820 U	<810 U	<1200 U
Diethyl phthalate			<760 U	<820 U	<810 U	<1200 U
4-Chlorophenyl phenyl ether			<760 U	<820 U	<810 U	<1200 U
Fluorene			<760 U	<820 U	<810 U	<1200 U
4-Nitroaniline			<3700 U	<4000 U	<3900 U	<5600 U
4,6-Dinitro-2-methylphenol			<3700 U	<4000 U	<3900 U	<5600 U
N-Nitrosodiphenylamine			<760 U	<820 U	<810 U	<1200 U
4-Bromophenyl phenyl ether			<760 U	<820 U	<810 U	<1200 U
Hexachlorobenzene			<760 U	<820 U	<810 U	<1200 U
Pentachlorophenol			<3700 U	<4000 U	<3900 U	<5600 U
Phenanthrene			<760 U	<820 U	<810 U	<1200 U
Anthracene			<760 U	<820 U	<810 U	<1200 U
Di-n-butylphthalate			<760 U	<820 U	<810 U	<1200 U
Fluoranthene			<760 U	<820 U	<810 U	<1200 U
Pyrene			<760 U	<820 U	<810 U	<1200 U
Butyl benzyl phthalate			<760 U	<820 U	<810 U	<1200 U
3,3-Dichlorobenzidine			<1500 U	<1600 U	<1600 U	<2300 U
Benzo(a)anthracene			<760 U	<820 U	<810 U	<1200 U
Chrysene			<760 U	<820 U	<810 U	<1200 U
Bis(2-ethylhexyl)phthalate			<760 U	<820 U	(300) BJ	(140) BJ
Di-n-octyl phthalate			<760 U	<820 U	<810 U	<1200 U
Benzo(b)fluoranthene			<760 U	<820 U	<810 U	<1200 U
Benzo(k)fluoranthene			<760 U	<820 U	<810 U	<1200 U
Benzo(a)pyrene			<760 U	<820 U	<810 U	<1200 U
Indeno(1,2,3-cd)pyrene			<760 U	<820 U	<810 U	<1200 U
Dibenzo(a,h)anthracene			<760 U	<820 U	<810 U	<1200 U
Benzo(g,h,i)perylene			<760 U	<820 U	<810 U	<1200 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

() = Less than Detection Limit

For RCL 8270

Soil Sample Results
Weyco Aberdeen

CONSTITUENT	SITE SAMPLE ID DATE DEPTH (ft)	D-02	D-02	D-02	D-03
		D2S2 05/24/90 4.00	D2S4 05/24/90 9.00	D2S6 05/24/90 14.50	D3-S2 05/24/90 4.00
Phenol		<770 U	<730 U	<1100 U	<1100 U
Bis(2-chloroethyl) ether		<770 U	<730 U	<1100 U	<1100 U
2-Chlorophenol		<770 U	<730 U	<1100 U	<1100 U
1,3-Dichlorobenzene		<770 U	<730 U	<1100 U	<1100 U
1,4-Dichlorobenzene		<770 U	<730 U	<1100 U	<1100 U
Benzyl alcohol		<770 U	<730 U	<1100 U	<1100 U
1,2-Dichlorobenzene		<770 U	<730 U	<1100 U	<1100 U
2-Methylphenol		<770 U	<730 U	<1100 U	<1100 U
Bis(2-chloro-1-methylethyl) ether		(230) J	<730 U	<1100 U	<1100 U
4-Methylphenol		<770 U	<730 U	(140) J	<1100 U
N-Nitroso-di-n-propylamine		<770 U	<730 U	<1100 U	<1100 U
Hexachloroethane		<770 U	<730 U	<1100 U	<1100 U
Nitrobenzene		<770 U	<730 U	<1100 U	<1100 U
Isophorone		<770 U	<730 U	<1100 U	<1100 U
2-Nitrophenol		<770 U	<730 U	<1100 U	<1100 U
2,4-Dimethylphenol		<770 U	<730 U	<1100 U	<1100 U
Benzoic acid		<3700 U	<3600 U	(130) J	<5100 U
Bis(2-chloroethoxy)methane		<770 U	<730 U	<1100 U	<1100 U
2,4-Dichlorophenol		<770 U	<730 U	<1100 U	<1100 U
1,2,4-Trichlorobenzene		<770 U	<730 U	<1100 U	<1100 U
Naphthalene		<770 U	<730 U	<1100 U	(130) J
4-Chloroaniline		<770 U	<730 U	<1100 U	<1100 U
Hexachlorobutadiene		<770 U	<730 U	<1100 U	<1100 U
4-Chloro-3-methylphenol		<770 U	<730 U	<1100 U	<1100 U
2-Methylnaphthalene		<770 U	<730 U	<1100 U	(180) J
Hexachlorocyclopentadiene		<770 U	<730 U	<1100 U	<1100 U
2,4,6-Trichlorophenol		<770 U	<730 U	<1100 U	<1100 U
2,4,5-Trichlorophenol		<3700 U	<3600 U	<5100 U	<5100 U
2-Chloronaphthalene		<770 U	<730 U	<1100 U	<1100 U
2-Nitroaniline		<3700 U	<3600 U	<5100 U	<5100 U
Dimethyl phthalate		<770 U	<730 U	<1100 U	<1100 U
Acenaphthylene		<770 U	<730 U	<1100 U	<1100 U
2,6-Dinitrotoluene		<770 U	<730 U	<1100 U	<1100 U
3-Nitroaniline		<3700 U	<3600 U	<5100 U	<5100 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(l) = Less than Detection Limit

For RCL 8270

Soil Sample Results
Weyco Aberdeen

CONSTITUENT (Units in ug/kg)	SITE	D-02	D-02	D-02	D-03
	SAMPLE ID	D252	D254	D256	D352
	DATE	05/24/90	05/24/90	05/24/90	05/24/90
	DEPTH (ft)	4.00	9.00	14.50	4.00
Acenaphthene		<770 U	<730 U	<1100 U	<1100 U
2,4-Dinitrophenol		<3700 U	<3600 U	<5100 U	<5100 U
4-Nitrophenol		<3700 U	<3600 U	<5100 U	<5100 U
Dibenzofuran		<770 U	<730 U	<1100 U	<1100 U
2,4-Dinitrotoluene		<770 U	<730 U	<1100 U	<1100 U
Diethyl phthalate		<770 U	<730 U	<1100 U	<1100 U
4-Chlorophenyl phenyl ether		<770 U	<730 U	<1100 U	<1100 U
Fluorene		<770 U	<730 U	<1100 U	<1100 U
4-Nitroaniline		<3700 U	<3600 U	<5100 U	<5100 U
4,6-Dinitro-2-methylphenol		<3700 U	<3600 U	<5100 U	<5100 U
N-Nitrosodiphenylamine		<770 U	<730 U	<1100 U	<1100 U
4-Bromophenyl phenyl ether		<770 U	<730 U	<1100 U	<1100 U
Hexachlorobenzene		<770 U	<730 U	<1100 U	<1100 U
Pentachlorophenol		<3700 U	<3600 U	<5100 U	<5100 U
Phenanthrene		<770 U	<730 U	<1100 U	(290) J
Anthracene		<770 U	<730 U	<1100 U	(290) J
Di-n-butylphthalate		<770 U	<730 U	(280) J	<1100 U
Fluoranthene		<770 U	<730 U	<1100 U	(290) J
Pyrene		<770 U	<730 U	<1100 U	(470) J
Butyl benzyl phthalate		<770 U	<730 U	<1100 U	<1100 U
3,3-Dichlorobenzidine		<1500 U	<1500 U	<2100 U	<2100 U
Benzo(a)anthracene		<770 U	<730 U	<1100 U	(120) J
Chrysene		<770 U	<730 U	<1100 U	<1100 U
Bis(2-ethylhexyl)phthalate		(240) BJ	(110) BJ	1300000 BE	<1100 U
Di-n-octyl phthalate		<770 U	<730 U	<1100 U	<1100 U
Benzo(b)fluoranthene		<770 U	<730 U	<1100 U	<1100 U
Benzo(k)fluoranthene		<770 U	<730 U	<1100 U	<1100 U
Benzo(a)pyrene		<770 U	<730 U	<1100 U	<1100 U
Indeno(1,2,3-cd)pyrene		<770 U	<730 U	<1100 U	<1100 U
Dibenzo(a,h)anthracene		<770 U	<730 U	<1100 U	<1100 U
Benzo(g,h,i)perylene		<770 U	<730 U	<1100 U	<1100 U

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() = Less than Detection Limit

For RCL 8270

Soil Sample Results
Weyco Aberdeen

CONSTITUENT (Units in ug/kg)	SITE	D-03	D-03	D-04E	D-04E
	SAMPLE ID	D3-S3-A	D3-S4	D4E51	D4E54
	DATE	05/24/90	05/24/90	05/25/90	05/25/90
	DEPTH (ft)	6.50	9.00	2.80	9.00
Phenol		<1000 U	<1200 U	<750 U	<830 U
Bis(2-chloroethyl)ether		<1000 U	<1200 U	<750 U	<830 U
2-Chlorophenol		<1000 U	<1200 U	<750 U	<830 U
1,3-Dichlorobenzene		<1000 U	<1200 U	<750 U	<830 U
1,4-Dichlorobenzene		<1000 U	<1200 U	<750 U	<830 U
Benzyl alcohol		<1000 U	<1200 U	<750 U	<830 U
1,2-Dichlorobenzene		<1000 U	<1200 U	<750 U	<830 U
2-Methylphenol		<1000 U	<1200 U	<750 U	<830 U
Bis(2-chloro-1-methylethyl) ether		<1000 U	<1200 U	<750 U	<830 U
4-Methylphenol		<1000 U	<1200 U	<750 U	<830 U
N-Nitroso-di-n-propylamine		<1000 U	<1200 U	<750 U	<830 U
Hexachloroethane		<1000 U	<1200 U	<750 U	<830 U
Nitrobenzene		<1000 U	<1200 U	<750 U	<830 U
Isophorone		<1000 U	<1200 U	<750 U	<830 U
2-Nitrophenol		<1000 U	<1200 U	<750 U	<830 U
2,4-Dimethylphenol		<1000 U	<1200 U	<750 U	<830 U
Benzoic acid		<5100 U	<5700 U	<3600 U	<4000 U
Bis(2-chloroethoxy)methane		<1000 U	<1200 U	<750 U	<830 U
2,4-Dichlorophenol		<1000 U	<1200 U	<750 U	<830 U
1,2,4-Trichlorobenzene		<1000 U	<1200 U	<750 U	<830 U
Naphthalene		<1000 U	<1200 U	<750 U	<830 U
4-Chloroaniline		<1000 U	<1200 U	<750 U	<830 U
Hexachlorobutadiene		<1000 U	<1200 U	<750 U	<830 U
4-Chloro-3-methylphenol		<1000 U	<1200 U	<750 U	<830 U
2-Methylnaphthalene		<1000 U	<1200 U	<750 U	<830 U
Hexachlorocyclopentadiene		<1000 U	<1200 U	<750 U	<830 U
2,4,6-Trichlorophenol		<1000 U	<1200 U	<750 U	<830 U
2,4,5-Trichlorophenol		<5100 U	<5700 U	<3600 U	<4000 U
2-Chloronaphthalene		<1000 U	<1200 U	<750 U	<830 U
2-Nitroaniline		<5100 U	<5700 U	<3600 U	<4000 U
Dimethyl phthalate		<1000 U	<1200 U	<750 U	<830 U
Acenaphthylene		<1000 U	<1200 U	<750 U	<830 U
2,6-Dinitrotoluene		<1000 U	<1200 U	<750 U	<830 U
3-Nitroaniline		<5100 U	<5700 U	<3600 U	<4000 U

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For RCL 8270

Soil Sample Results
Weyco Aberdeen

CONSTITUENT	SITE	D-03	D-03	D-04E	D-04E
		(Units in ug/kg)	SAMPLE ID	D3-S3-A	D3-S4
		DATE	DATE	DATE	DATE
		DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)
Acenaphthene		<1000 U	<1200 U	<750 U	<830 U
2,4-Dinitrophenol		<5100 U	<5700 U	<3600 U	<4000 U
4-Nitrophenol		<5100 U	<5700 U	<3600 U	<4000 U
Dibenzofuran		<1000 U	<1200 U	<750 U	<830 U
2,4-Dinitrotoluene		<1000 U	<1200 U	<750 U	<830 U
Diethyl phthalate		<1000 U	<1200 U	<750 U	<830 U
4-Chlorophenyl phenyl ether		<1000 U	<1200 U	<750 U	<830 U
Fluorene		<1000 U	<1200 U	<750 U	<830 U
4-Nitroaniline		<5100 U	<5700 U	<3600 U	<4000 U
4,6-Dinitro-2-methylphenol		<5100 U	<5700 U	<3600 U	<4000 U
N-Nitrosodiphenylamine		<1000 U	<1200 U	<750 U	<830 U
4-Bromophenyl phenyl ether		<1000 U	<1200 U	<750 U	<830 U
Hexachlorobenzene		<1000 U	<1200 U	<750 U	<830 U
Pentachlorophenol		<5100 U	<5700 U	<3600 U	<4000 U
Phenanthrene		<1000 U	<1200 U	<750 U	<830 U
Anthracene		<1000 U	<1200 U	<750 U	<830 U
Di-n-butylphthalate		<1000 U	<1200 U	<750 U	<830 U
Fluoranthene		<1000 U	<1200 U	<750 U	<830 U
Pyrene		<1000 U	<1200 U	<750 U	<830 U
Butyl benzyl phthalate		<1000 U	<1200 U	<750 U	<830 U
3,3-Dichlorobenzidine		<2100 U	<2300 U	<1500 U	<1700 U
Benzo(a)anthracene		<1000 U	<1200 U	<750 U	<830 U
Chrysene		<1000 U	<1200 U	<750 U	<830 U
Bis(2-ethylhexyl)phthalate		(530) BJ	(440) BJ	(260) BJ	(200) BJ
Di-n-octyl phthalate		<1000 U	<1200 U	<750 U	<830 U
Benzo(b)fluoranthene		<1000 U	<1200 U	<750 U	<830 U
Benzo(k)fluoranthene		<1000 U	<1200 U	<750 U	<830 U
Benzo(a)pyrene		<1000 U	<1200 U	<750 U	<830 U
Indeno(1,2,3-cd)pyrene		<1000 U	<1200 U	<750 U	<830 U
Dibenzo(a,h)anthracene		<1000 U	<1200 U	<750 U	<830 U
Benzo(g,h,i)perylene		<1000 U	<1200 U	<750 U	<830 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(l) = Less than Detection Limit

For RCL 8270

Soil Sample Results
Weyco Aberdeen

CONSTITUENT	(Units in ug/kg)	SITE	D-04E	D-05	D-05	D-05
		SAMPLE ID	D4E66A	D5S1	D5S2	D5S7
		DATE	05/25/90	05/25/90	05/25/90	05/25/90
		DEPTH (ft)	14.00	2.50	4.00	16.00
Phenol			<1100 U	<730 U	<730 U	<1200 U
Bis(2-chloroethyl)ether			<1100 U	<730 U	<730 U	<1200 U
2-Chlorophenol			<1100 U	<730 U	<730 U	<1200 U
1,3-Dichlorobenzene			<1100 U	<730 U	<730 U	<1200 U
1,4-Dichlorobenzene			<1100 U	<730 U	<730 U	<1200 U
Benzyl alcohol			<1100 U	<730 U	<730 U	<1200 U
1,2-Dichlorobenzene			<1100 U	<730 U	<730 U	<1200 U
2-Methylphenol			<1100 U	<730 U	<730 U	<1200 U
Bis(2-chloro-1-methylethyl) ether			<1100 U	<730 U	<730 U	<1200 U
4-Methylphenol			<1100 U	<730 U	<730 U	<1200 U
N-Nitroso-di-n-propylamine			<1100 U	<730 U	<730 U	<1200 U
Hexachloroethane			<1100 U	<730 U	<730 U	<1200 U
Nitrobenzene			<1100 U	<730 U	<730 U	<1200 U
Isophorone			<1100 U	<730 U	<730 U	<1200 U
2-Nitrophenol			<1100 U	<730 U	<730 U	<1200 U
2,4-Dimethylphenol			<1100 U	<730 U	<730 U	<1200 U
Benzoic acid			<5200 U	<3600 U	<3600 U	<5700 U
Bis(2-chloroethoxy)methane			<1100 U	<730 U	<730 U	<1200 U
2,4-Dichlorophenol			<1100 U	<730 U	<730 U	<1200 U
1,2,4-Trichlorobenzene			<1100 U	<730 U	<730 U	<1200 U
Naphthalene			(120) J	<730 U	<730 U	<1200 U
4-Chloroaniline			<1100 U	<730 U	<730 U	<1200 U
Hexachlorobutadiene			<1100 U	<730 U	<730 U	<1200 U
4-Chloro-3-methylphenol			<1100 U	<730 U	<730 U	<1200 U
2-Methylnaphthalene			<1100 U	<730 U	<730 U	<1200 U
Hexachlorocyclopentadiene			<1100 U	<730 U	<730 U	<1200 U
2,4,6-Trichlorophenol			<1100 U	<730 U	<730 U	<1200 U
2,4,5-Trichlorophenol			<5200 U	<3600 U	<3600 U	<5700 U
2-Chloronaphthalene			<1100 U	<730 U	<730 U	<1200 U
2-Nitroaniline			<5200 U	<3600 U	<3600 U	<5700 U
Dimethyl phthalate			<1100 U	<730 U	<730 U	<1200 U
Acenaphthylene			<1100 U	<730 U	<730 U	<1200 U
2,6-Dinitrotoluene			<1100 U	<730 U	<730 U	<1200 U
3-Nitroaniline			<5200 U	<3600 U	<3600 U	<5700 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(l) = Less than Detection Limit

For RCL 8270

Soil Sample Results
Weyco Aberdeen

CONSTITUENT	(Units in ug/kg)	SITE	D-04E	D-05	D-05	D-05
		SAMPLE ID	D4E56A	D5S1	D5S2	D5S7
		DATE	06/25/90	06/25/90	06/25/90	06/25/90
		DEPTH (ft)	14.00	2.50	4.00	16.00
Acenaphthene			< 1100 U	< 730 U	< 730 U	< 1200 U
2,4-Dinitrophenol			< 5200 U	< 3600 U	< 3600 U	< 5700 U
4-Nitrophenol			< 5200 U	< 3600 U	< 3600 U	< 5700 U
Dibenzofuran			< 1100 U	< 730 U	< 730 U	< 1200 U
2,4-Dinitrotoluene			< 1100 U	< 730 U	< 730 U	< 1200 U
Diethyl phthalate			< 1100 U	< 730 U	< 730 U	< 1200 U
4-Chlorophenyl phenyl ether			< 1100 U	< 730 U	< 730 U	< 1200 U
Fluorene			< 1100 U	< 730 U	< 730 U	< 1200 U
4-Nitroaniline			< 5200 U	< 3600 U	< 3600 U	< 5700 U
4,6-Dinitro-2-methylphenol			< 5200 U	< 3600 U	< 3600 U	< 5700 U
N-Nitrosodiphenylamine			< 1100 U	< 730 U	< 730 U	< 1200 U
4-Bromophenyl phenyl ether			< 1100 U	< 730 U	< 730 U	< 1200 U
Hexachlorobenzene			< 1100 U	< 730 U	< 730 U	< 1200 U
Pentachlorophenol			< 5200 U	< 3600 U	< 3600 U	(1900) J
Phenanthrene			(110) J	< 730 U	< 730 U	< 1200 U
Anthracene			< 1100 U	< 730 U	< 730 U	< 1200 U
Di-n-butylphthalate			< 1100 U	< 730 U	< 730 U	< 1200 U
Fluoranthene			< 1100 U	< 730 U	< 730 U	< 1200 U
Pyrene			< 1100 U	< 730 U	< 730 U	< 1200 U
Butyl benzyl phthalate			< 1100 U	< 730 U	< 730 U	< 1200 U
3,3-Dichlorobenzidine			< 2100 U	< 1500 U	< 1500 U	< 2300 U
Benzo(a)anthracene			< 1100 U	< 730 U	< 730 U	< 1200 U
Chrysene			< 1100 U	< 730 U	< 730 U	< 1200 U
Bis(2-ethylhexyl)phthalate			(190) BJ	730 BJ	< 730 U	(450) BJ
Di-n-octyl phthalate			< 1100 U	< 730 U	< 730 U	< 1200 U
Benzo(b)fluoranthene			< 1100 U	< 730 U	< 730 U	< 1200 U
Benzo(k)fluoranthene			< 1100 U	< 730 U	< 730 U	< 1200 U
Benzo(a)pyrene			< 1100 U	< 730 U	< 730 U	< 1200 U
Indeno(1,2,3-cd)pyrene			< 1100 U	< 730 U	< 730 U	< 1200 U
Dibenzo(a,h)anthracene			< 1100 U	< 730 U	< 730 U	< 1200 U
Benzo(g,h,i)perylene			< 1100 U	< 730 U	< 730 U	< 1200 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

(I) = Less than Detection Limit

For RCL 8270

Soil Sample Results
Weyco Aberdeen

CONSTITUENT (Units in ug/kg)	SITE	D-06	D-06	D-07	D-07
	SAMPLE ID	D651	D652	D751	D752
	DATE	08/30/90	08/30/90	08/30/90	08/30/90
	DEPTH (ft)	3.00	9.00	4.00	9.00
Phenol		<710 U	<790 U	<730 U	<1100 U
Bis(2-chloroethyl)ether		<710 U	<790 U	<730 U	<1100 U
2-Chlorophenol		<710 U	<790 U	<730 U	<1100 U
1,3-Dichlorobenzene		<710 U	<790 U	<730 U	<1100 U
1,4-Dichlorobenzene		<710 U	<790 U	<730 U	<1100 U
Benzyl alcohol		<710 U	<790 U	<730 U	<1100 U
1,2-Dichlorobenzene		<710 U	<790 U	<730 U	<1100 U
2-Methylphenol		<710 U	<790 U	<730 U	<1100 U
Bis(2-chloro-1-methylethyl) ether		<710 U	<790 U	<730 U	<1100 U
4-Methylphenol		<710 U	<790 U	<730 U	<1100 U
N-Nitroso-di-n-propylamine		<710 U	<790 U	<730 U	<1100 U
Hexachloroethane		<710 U	<790 U	<730 U	<1100 U
Nitrobenzene		<710 U	<790 U	<730 U	<1100 U
Isophorone		<710 U	<790 U	<730 U	<1100 U
2-Nitrophenol		<710 U	<790 U	<730 U	<1100 U
3,4-Dimethylphenol		<710 U	<790 U	<730 U	<1100 U
Benzoic acid		<3400 U	<3800 U	<3500 U	<5100 U
Bis(2-chloroethoxy)methane		<710 U	<790 U	<730 U	<1100 U
2,4-Dichlorophenol		<710 U	<790 U	<730 U	<1100 U
1,2,4-Trichlorobenzene		<710 U	<790 U	<730 U	<1100 U
Naphthalene		<710 U	<790 U	<730 U	<1100 U
4-Chloroaniline		<710 U	<790 U	<730 U	<1100 U
Hexachlorobutadiene		<710 U	<790 U	<730 U	<1100 U
4-Chloro-3-methylphenol		<710 U	<790 U	<730 U	<1100 U
2-Methylnaphthalene		<710 U	<790 U	<730 U	(180) J
Hexachlorocyclopentadiene		<710 U	<790 U	<730 U	<1100 U
2,4,6-Trichlorophenol		<710 U	<790 U	<730 U	<1100 U
2,4,5-Trichlorophenol		<3400 U	<3800 U	<3500 U	<5100 U
2-Chloronaphthalene		<710 U	<790 U	<730 U	<1100 U
2-Nitroaniline		<3400 U	<3800 U	<3500 U	<5100 U
Dimethyl phthalate		<710 U	<790 U	<730 U	<1100 U
Acenaphthylene		<710 U	<790 U	<730 U	<1100 U
2,6-Dinitrotoluene		<710 U	<790 U	<730 U	<1100 U
3-Nitroaniline		<3400 U	<3800 U	<3500 U	<5100 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

(I) = Less than Detection Limit

For RCL 8270

Soil Sample Results
Weyco Aberdeen

CONSTITUENT (Units in ug/kg)	SITE	D-06	D-06	D-07	D-07
	SAMPLE ID	D651	D652	D751	D752
	DATE	08/30/90	08/30/90	08/30/90	08/30/90
	DEPTH (ft)	3.00	9.00	4.00	9.00
Acenaphthene		<710 U	<790 U	<730 U	<1100 U
2,4-Dinitrophenol		<3400 U	<3800 U	<3500 U	<5100 U
4-Nitrophenol		<3400 U	<3800 U	<3500 U	<5100 U
Dibenzofuran		<710 U	<790 U	<730 U	<1100 U
2,4-Dinitrotoluene		<710 U	<790 U	<730 U	<1100 U
Diethyl phthalate		<710 U	<790 U	<730 U	<1100 U
4-Chlorophenyl phenyl ether		<710 U	<790 U	<730 U	<1100 U
Fluorane		<710 U	<790 U	<730 U	<1100 U
4-Nitroaniline		<3400 U	<3800 U	<3500 U	<5100 U
4,6-Dinitro-2-methylphenol		<3400 U	<3800 U	<3500 U	<5100 U
N-Nitrosodiphenylamine		<710 U	<790 U	<730 U	<1100 U
4-Bromophenyl phenyl ether		<710 U	<790 U	<730 U	<1100 U
Hexachlorobenzene		<710 U	<790 U	<730 U	<1100 U
Pentachlorophenol		<3400 U	<3800 U	<3500 U	<5100 U
Phenanthrene		<710 U	<790 U	1400 U	<1100 U
Anthracene		<710 U	<790 U	<730 U	<1100 U
Di-n-butylphthalate		<710 U	<790 U	<730 U	<1100 U
Fluoranthene		<710 U	<790 U	<730 U	<1100 U
Pyrene		<710 U	<790 U	<730 U	<1100 U
Butyl benzyl phthalate		<710 U	<790 U	<730 U	<1100 U
3,3-Dichlorobenzidine		<1400 U	<1600 U	<1400 U	<2100 U
Benzo(a)anthracene		<710 U	<790 U	<730 U	<1100 U
Chrysene		<710 U	<790 U	<730 U	<1100 U
Bis(2-ethylhexyl)phthalate		<710 U	(320) U	<730 U	<1100 U
Di-n-octyl phthalate		<710 U	(480) BJ	<730 U	<1100 U
Benzo(b)fluoranthene		<710 U	<790 U	<730 U	<1100 U
Benzo(k)fluoranthene		<710 U	<790 U	<730 U	<1100 U
Benzo(a)pyrene		<710 U	<790 U	<730 U	<1100 U
Indeno(1,2,3-cd)pyrene		<710 U	<790 U	<730 U	<1100 U
Dibenzo(a,h)anthracene		<710 U	<790 U	<730 U	<1100 U
Benzo(g,h,i)perylene		<710 U	<790 U	<730 U	<1100 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

(l) = Less than Detection Limit

For RCL 8270

Soil Sample Results
Weyco Aberdeen

CONSTITUENT (Units in ug/kg)	SITE	D-08	D-09
	SAMPLE ID	D851	D951
	DATE	08/30/90	08/30/90
	DEPTH (ft)	4.00	4.00
Phenol		<770 U	<750 U
Bis(2-chloroethyl)ether		<770 U	<750 U
2-Chlorophenol		<770 U	<750 U
1,3-Dichlorobenzene		<770 U	<750 U
1,4-Dichlorobenzene		<770 U	<750 U
Benzyl alcohol		<770 U	<750 U
1,2-Dichlorobenzene		<770 U	<750 U
2-Methylphenol		<770 U	<750 U
Bis(2-chloro-1-methylethyl) ether		<770 U	<750 U
4-Methylphenol		<770 U	<750 U
N-Nitroso-di-n-propylamine		<770 U	<750 U
Hexachloroethane		<770 U	<750 U
Nitrobenzene		<770 U	<750 U
Isophorone		<770 U	<750 U
2-Nitrophenol		<770 U	<750 U
2,4-Dimethylphenol		<770 U	<750 U
Benzoic acid		<3800 U	<3600 U
Bis(2-chloroethoxy)methane		<770 U	<750 U
2,4-Dichlorophenol		<770 U	<750 U
1,2,4-Trichlorobenzene		<770 U	<750 U
Naphthalene		<770 U	<750 U
4-Chloroaniline		<770 U	<750 U
Hexachlorobutadiene		<770 U	<750 U
4-Chloro-3-methylphenol		<770 U	<750 U
2-Methylnaphthalene		<770 U	<750 U
Hexachlorocyclopentadiene		<770 U	<750 U
2,4,6-Trichlorophenol		<770 U	<750 U
2,4,5-Trichlorophenol		<3800 U	<3600 U
2-Chloronaphthalene		<770 U	<750 U
2-Nitroaniline		<3800 U	<3600 U
Dimethyl phthalate		<770 U	<750 U
Acenaphthylene		<770 U	<750 U
2,6-Dinitrotoluene		<770 U	<750 U
3-Nitroaniline		<3800 U	<3600 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

Soil Sample Results
Weyco Aberdeen

Date: 03/05/96

CONSTITUENT (Units in ug/kg)	SITE	D-08	D-09
	SAMPLE ID	DBS1	D9S1
	DATE	08/30/90	08/30/90
	DEPTH (ft)	4.00	4.00
Acenaphthene		<770 U	<750 U
2,4-Dinitrophenol		<3800 U	<3600 U
4-Nitrophenol		<3800 U	<3600 U
Dibenzofuran		<770 U	<750 U
2,4-Dinitrotoluene		<770 U	<750 U
Diethyl phthalate		<770 U	<750 U
4-Chlorophenyl phenyl ether		<770 U	<750 U
Fluorene		<770 U	<750 U
4-Nitroaniline		<3800 U	<3600 U
4,6-Dinitro-2-methylphenol		<3800 U	<3600 U
N-Nitrosodiphenylamine		<770 U	<750 U
4-Bromophenyl phenyl ether		<770 U	<750 U
Hexachlorobenzene		<770 U	<750 U
Pentachlorophenol		<3800 U	<3600 U
Phenanthrene		<770 U	<750 U
Anthracene		<770 U	<750 U
Di-n-butylphthalate		<770 U	<750 U
Fluoranthene		<770 U	<750 U
Pyrene		<770 U	<750 U
Butyl benzyl phthalate		<770 U	<750 U
3,3-Dichlorobenzidine		<1500 U	<1500 U
Benzo(a)anthracene		<770 U	<750 U
Chrysene		<770 U	<750 U
Bis(2-ethylhexyl)phthalate		<770 U	<750 U
Di-n-octyl phthalate		<770 U	<750 U
Benzo(b)fluoranthene		<770 U	<750 U
Benzo(k)fluoranthene		<770 U	<750 U
Benzo(a)pyrene		<770 U	<750 U
Indeno(1,2,3-cd)pyrene		<770 U	<750 U
Dibenzo(a,h)anthracene		<770 U	<750 U
Benzo(g,h,i)perylene		<770 U	<750 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

Volatile
Organics

CONSTITUENT (Units in ug/l)	SITE	D-01	D-01	D-01	D-01
	SAMPLE ID DATE	WELL D-1 05/25/90	ABERDEEN D-1 08/15/90	D-1 05/30/91	D-1 D-1 9-25 1230 09/25/91
Chloromethane		< 10 U	< 10 U	< 10 U	< 10 U
Bromomethane		< 10 U	< 10 U	< 10 U	< 10 U
Vinyl chloride		< 10 U	< 10 U	< 10 U	< 10 U
Chloroethane		64	34	< 10 U	9 U
Methylene chloride		< 5 U	41	< 5 U	3 U
Acetone		< 10 U	< 10 U	< 10 U	< 10 U
Carbon disulfide		< 5 U	< 5 U	< 5 U	< 10 U
1,1-Dichloroethane		< 5 U	< 5 U	< 5 U	< 10 U
1,1-Dichloroethane		< 5 U	< 5 U	< 5 U	< 10 U
1,2-Dichloroethane		< 5 U	< 5 U	< 5 U	< 10 U
Chloroform		< 5 U	< 5 U	< 5 U	< 10 U
1,2-Dichloroethane		< 5 U	< 5 U	< 5 U	< 10 U
2-Butanone		< 10 U	< 10 U	< 10 U	< 10 U
1,1,1-Trichloroethane		< 5 U	< 5 U	< 5 U	< 10 U
Carbon tetrachloride		< 5 U	< 5 U	< 5 U	< 10 U
Vinyl acetate		< 10 U	< 10 U	< 10 U	---
Bromodichloromethane		< 5 U	< 5 U	< 5 U	< 10 U
1,2-Dichloropropane		< 5 U	< 5 U	< 5 U	< 10 U
cis-1,3-Dichloropropene		< 5 U	< 5 U	< 5 U	< 10 U
Trichloroethene		< 5 U	< 5 U	< 5 U	< 10 U
Dibromochloromethane		< 5 U	< 5 U	< 5 U	< 10 U
1,1,2-Trichloroethane		< 5 U	< 5 U	< 5 U	< 10 U
Benzene		< 5 U	< 5 U	< 5 U	< 10 U
trans-1,3-Dichloropropene		< 5 U	< 5 U	< 5 U	< 10 U
Bromoform		< 5 U	< 5 U	< 5 U	< 10 U
4-Methyl-2-pentanone		< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone		< 10 U	< 10 U	< 10 U	< 10 U
Tetrachloroethene		< 5 U	< 5 U	< 5 U	< 10 U
1,1,2,2-Tetrachloroethane		< 5 U	< 5 U	< 5 U	< 10 U
Toluene		< 5 U	< 5 U	< 5 U	< 10 U
Chlorobenzene		< 5 U	< 5 U	< 5 U	< 10 U
Ethylbenzene		< 5 U	< 5 U	< 5 U	< 10 U
Styrene		< 5 U	< 5 U	< 5 U	< 10 U
Xylene (total)		< 5 U	< 5 U	< 5 U	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-01	D-01	D-01	D-01
		SAMPLE ID	D-1 12/18 1030	EPA Sample	D-1	D-1
		DATE	12/18/91	01/16/92	07/14/92	10/27/92
Chloromethane			<10 U	<1	<10 U	<10 U
Bromomethane			<10 U	<1	<10 U	<10 U
Vinyl chloride			<10 U	(0.3) J	<10 U	<10 U
Chloroethane			13	8	7	<10 U
Methylene chloride			<10 U	<1	130	89
Acetone			<10 U	<2 J	<10 U	13
Carbon disulfide			<10 U	<5 J	<10 U	<10 U
1,1-Dichloroethene			<10 U	<1	—	<10 U
1,1-Dichloroethane			<10 U	(0.3) J	<10 U	<10 U
1,2-Dichloroethene			<10 U	—	<10 U	<10 U
Chloroform			<10 U	<1	<10 U	<10 U
1,2-Dichloroethane			<10 U	<1	<10 U	<10 U
2-Butanone			<10 U	<5	<10 U	<10 U
1,1,1-Trichloroethane			<10 U	<1	<10 U	<10 U
Carbon tetrachloride			<10 U	<1	<10 U	<10 U
Vinyl acetate			—	—	—	—
Bromodichloromethane			<10 U	<1	<10 U	<10 U
1,2-Dichloropropane			<10 U	<1	<10 U	<10 U
cis-1,3-Dichloropropene			<10 U	<1	<10 U	<10 U
Trichloroethene			<10 U	<1	<10 U	<10 U
Dibromochloromethane			<10 U	<1	<10 U	<10 U
1,1,2-Trichloroethane			<10 U	<1	<10 U	<10 U
Benzene			<10 U	<1	<10 U	<10 U
trans-1,3-Dichloropropene			<10 U	—	<10 U	<10 U
Bromoform			<10 U	<1	<10 U	<10 U
4-Methyl-2-pentanone			<10 U	<1	<10 U	<10 U
2-Hexanone			<10 U	<1	<10 U	<10 U
Tetrachloroethene			<10 U	—	<10 U	<10 U
1,1,2,2-Tetrachloroethane			<10 U	<1	<10 U	<10 U
Toluene			<10 U	<1	<10 U	<10 U
Chlorobenzene			<10 U	<1	<10 U	<10 U
Ethylbenzene			<10 U	<1	<10 U	<10 U
Styrene			<10 U	<1	<10 U	<10 U
Xylene (total)			<10 U	<1	<10 U	<10 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit -- =Not analyzed

() = Less than Detection Limit

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-01	D-01	D-01	D-01
		SAMPLE ID	D-1	D-1	D-1	D-1
		DATE	02/03/93	05/12/93	07/15/93	10/20/93
Chloromethane			<50 U	<10 U	<10 U	<10 U
Bromomethane			<50 U	<10 U	<10 U	<10 U
Vinyl chloride			<50 U	<10 U	<10 U	<10 U
Chloroethane			<50 U	<10 U	<10 U	<10 U
Methylene chloride			15400	(6) J	27	45
Acetone			430	<10 U	<10 U	24
Carbon disulfide			<50 U	<10 U	<10 U	<10 U
1,1-Dichloroethane			<50 U	<10 U	<10 U	<10 U
1,1-Dichloroethane			<50 U	<10 U	<10 U	<10 U
1,2-Dichloroethane			<50 U	<10 U	<10 U	<10 U
Chloroform			<50 U	<10 U	<10 U	<10 U
1,2-Dichloroethane			<50 U	<10 U	<10 U	<10 U
2-Butanone			<50 U	<10 U	<10 U	<10 U
1,1,1-Trichloroethane			<50 U	<10 U	<10 U	<10 U
Carbon tetrachloride			<50 U	<10 U	<10 U	<10 U
Vinyl acetate			--	--	--	--
Bromodichloromethane			<50 U	<10 U	<10 U	<10 U
1,2-Dichloropropane			<50 U	<10 U	<10 U	<10 U
cis-1,3-Dichloropropane			<50 U	<10 U	<10 U	<10 U
Trichloroethene			<50 U	<10 U	<10 U	<10 U
Dibromochloromethane			<50 U	<10 U	<10 U	<10 U
1,1,2-Trichloroethane			<50 U	<10 U	<10 U	<10 U
Benzene			<50 U	<10 U	<10 U	<10 U
trans-1,3-Dichloropropene			<50 U	<10 U	<10 U	<10 U
Bromoform			<50 U	<10 U	<10 U	<10 U
4-Methyl-2-pentanone			<50 U	<10 U	<10 U	<10 U
2-Hexanone			<50 U	<10 U	<10 U	<10 U
Tetrachloroethene			<50 U	<10 U	<10 U	<10 U
1,1,2,2-Tetrachloroethane			<50 U	<10 U	<10 U	<10 U
Toluene			<50 U	<10 U	<10 U	<10 U
Chlorobenzene			<50 U	<10 U	<10 U	<10 U
Ethylbenzene			<50 U	<10 U	<10 U	<10 U
Styrene			<50 U	<10 U	<10 U	<10 U
Xylene (total)			<50 U	<10 U	<10 U	<10 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit -- =Not analyzed

(l) = Less than Detection Limit

For RCL 8240

Weyco Aberdeen

CONSTITUENT	(Units in ug/l)	SITE	D-01	D-01	D-01	D-01
		SAMPLE ID	D-1	D-1	D-1	D-1
		DATE	02/03/93	05/12/93	07/15/93	10/20/93
1,3-Dichlorobenzene			< 10 U	< 12# U	< 10# U	< 10 U
1,4-Dichlorobenzene			< 10 U	< 12# U	< 10# U	< 10 U
1,2-Dichlorobenzene			< 10 U	< 12# U	< 10# U	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 # = Constituent in more than one test method, highest result reported.
 For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-02 WELL D-2 05/25/90	D-02 ABERDEEN D-2 08/15/90	D-02 D-2 01/09/91	D-02 D-2 05/30/91
Chloromethane			<10 U	<10 U	<10 U	<10 U
Bromomethane			<10 U	<10 U	<10 U	<10 U
Vinyl chloride			<10 U	<10 U	<10 U	<10 U
Chloroethane			<10 U	<10 U	<10 U	<10 U
Methylene chloride			<5 U	14	<5 U	<5 U
Acetone			<10 U	<10 U	130	<10 U
Carbon disulfide			<5 U	2 J	<5 U	<5 U
1,1-Dichloroethane			<5 U	<5 U	<5 U	<5 U
1,1-Dichloroethane			(4) J	<5 U	<5 U	<5 U
1,2-Dichloroethane			<5 U	<5 U	<5 U	<5 U
Chloroform			<5 U	<5 U	<5 U	<5 U
1,2-Dichloroethane			<5 U	2 J	<5 U	<5 U
2-Butanone			<10 U	<10 U	<10 U	<10 U
1,1,1-Trichloroethane			<5 U	<5 U	<5 U	<5 U
Carbon tetrachloride			<5 U	<5 U	<5 U	<5 U
Vinyl acetate			<10 U	<10 U	<10 U	<10 U
Bromodichloromethane			<5 U	<5 U	<5 U	<5 U
1,2-Dichloropropane			<5 U	<5 U	<5 U	<5 U
cis-1,3-Dichloropropene			<5 U	<5 U	<5 U	<5 U
Trichloroethane			<5 U	<5 U	<5 U	<5 U
Dibromochloromethane			<5 U	<5 U	<5 U	<5 U
1,1,2-Trichloroethane			<5 U	<5 U	<5 U	<5 U
Benzene			<5 U	<5 U	<5 U	<5 U
trans-1,3-Dichloropropene			<5 U	<5 U	<5 U	<5 U
Bromoform			<5 U	<5 U	<5 U	<5 U
4-Methyl-2-pentanone			<10 U	<10 U	<10 U	<10 U
2-Hexanone			<10 U	<10 U	<10 U	<10 U
Tetrachloroethane			<5 U	<5 U	<5 U	<5 U
1,1,2,2-Tetrachloroethane			<5 U	<5 U	<5 U	<5 U
Toluene			<5 U	<5 U	<5 U	<5 U
Chlorobenzene			<5 U	<5 U	<5 U	<5 U
Ethylbenzene			<5 U	<5 U	<5 U	<5 U
Styrene			<5 U	<5 U	<5 U	<5 U
Xylene (total)			<5 U	<5 U	<5 U	<5 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

(l) = Less than Detection Limit

For RCL 8240

CONSTITUENT (Units in ug/l)	SITE	D-02	D-02	D-02	D-02
	SAMPLE ID	D-2 9-25 1000	D-2 12/18 1000	EPA Sample	D-2
	DATE	09/25/91	12/18/91	01/16/92	07/14/92
Chloromethane		<10 U	<10 U	<1	<10 U
Bromomethane		<10 U	<10 U	<1	<10 U
Vinyl chloride		<10 U	<10 U	<1	<10 U
Chloroethane		<10 U	(9) J	5	<10 U
Methylene chloride		300 D	<10 U	<1	90
Acetone		<10 U	<10 U	<2 J	<10 U
Carbon disulfide		<10 U	<10 U	<5 J	<10 U
1,1-Dichloroethane		<10 U	<10 U	<1	—
1,1-Dichloroethane		<10 U	(1) J	1	<10 U
1,2-Dichloroethane		<10 U	<10 U	—	<10 U
Chloroform		<10 U	<10 U	<1	<10 U
1,2-Dichloroethane		<10 U	<10 U	<1	<10 U
2-Butanone		<10 U	<10 U	<5	<10 U
1,1,1-Trichloroethane		<10 U	<10 U	<1	<10 U
Carbon tetrachloride		<10 U	<10 U	<1	<10 U
Vinyl acetate		—	—	—	—
Bromodichloromethane		<10 U	<10 U	<1	<10 U
1,2-Dichloropropane		<10 U	<10 U	<1	<10 U
cis-1,3-Dichloropropene		<10 U	<10 U	<1	<10 U
Trichloroethane		<10 U	<10 U	<1	<10 U
Dibromochloromethane		<10 U	<10 U	<1	<10 U
1,1,2-Trichloroethane		<10 U	<10 U	<1	<10 U
Benzene		<10 U	<10 U	<1	<10 U
trans-1,3-Dichloropropene		<10 U	<10 U	—	<10 U
Bromoform		<10 U	<10 U	<1	<10 U
4-Methyl-2-pentanone		<10 U	<10 U	<1	<10 U
2-Hexanone		<10 U	<10 U	<1	<10 U
Tetrachloroethane		<10 U	<10 U	—	<10 U
1,1,2,2-Tetrachloroethane		<10 U	<10 U	<1	<10 U
Toluene		<10 U	<10 U	<1	<10 U
Chlorobenzene		<10 U	<10 U	<1	<10 U
Ethylbenzene		<10 U	<10 U	<1	<10 U
Styrene		<10 U	<10 U	<1	<10 U
Xylene (total)		<10 U	<10 U	<1	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

(J) = Less than Detection Limit

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-02	D-02	D-02	D-02
		SAMPLE ID	D-2	D-2	D-2	D-2
		DATE	10/27/92	02/03/93	05/12/93	07/15/93
Chloromethane			< 10 U	< 10 U	< 10 U	< 10 U
Bromomethane			< 10 U	< 10 U	< 10 U	< 10 U
Vinyl chloride			< 10 U	< 10 U	< 10 U	< 10 U
Chloroethane			< 10 U	< 10 U	< 10 U	< 10 U
Methylene chloride			2 J	< 10 U	(4) J	(8) J
Acetone			< 10 U	< 10 U	< 10 U	< 10 U
Carbon disulfide			< 10 U	< 10 U	< 10 U	< 10 U
1,1-Dichloroethane			< 10 U	< 10 U	< 10 U	< 10 U
1,1-Dichloroethane			< 10 U	< 10 U	< 10 U	< 10 U
1,2-Dichloroethane			< 10 U	< 10 U	< 10 U	< 10 U
Chloroform			< 10 U	< 10 U	< 10 U	< 10 U
1,2-Dichloroethane			< 10 U	< 10 U	< 10 U	< 10 U
2-Butanone			< 10 U	< 10 U	< 10 U	< 10 U
1,1,1-Trichloroethane			< 10 U	< 10 U	< 10 U	< 10 U
Carbon tetrachloride			< 10 U	< 10 U	< 10 U	< 10 U
Vinyl acetate			--	--	--	--
Bromodichloromethane			< 10 U	< 10 U	< 10 U	< 10 U
1,2-Dichloropropane			< 10 U	< 10 U	< 10 U	< 10 U
cis-1,3-Dichloropropene			< 10 U	< 10 U	< 10 U	< 10 U
Trichloroethane			< 10 U	< 10 U	< 10 U	< 10 U
Dibromochloromethane			< 10 U	< 10 U	< 10 U	< 10 U
1,1,2-Trichloroethane			< 10 U	< 10 U	< 10 U	< 10 U
Benzene			< 10 U	< 10 U	< 10 U	< 10 U
trans-1,3-Dichloropropene			< 10 U	< 10 U	< 10 U	< 10 U
Bromoform			< 10 U	< 10 U	< 10 U	< 10 U
4-Methyl-2-pentanone			< 10 U	< 10 U	< 10 U	< 10 U
2-Hexanone			< 10 U	< 10 U	< 10 U	< 10 U
Tetrachloroethane			< 10 U	< 10 U	< 10 U	< 10 U
1,1,2,2-Tetrachloroethane			< 10 U	< 10 U	< 10 U	< 10 U
Toluene			< 10 U	< 10 U	< 10 U	< 10 U
Chlorobenzene			< 10 U	< 10 U	< 10 U	< 10 U
Ethylbenzene			< 10 U	< 10 U	< 10 U	< 10 U
Styrene			< 10 U	< 10 U	< 10 U	< 10 U
Xylene (total)			< 10 U	< 10 U	< 10 U	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

(l) = Less than Detection Limit

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-02 D-2 10/27/92	D-02 D-2 02/03/93	D-02 D-2 05/12/93	D-02 D-2 07/15/93
1,3-Dichlorobenzene			< 10 U	< 10 U	< 12# U	< 10# U
1,4-Dichlorobenzene			< 10 U	< 10 U	< 12# U	< 10# U
1,2-Dichlorobenzene			< 10 U	< 10 U	< 12# U	< 10# U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL 8240

CONSTITUENT	SITE SAMPLE ID DATE	D-02	D-03	D-03	D-03
		D-2 10/20/93	D-3B 05/28/90	ABERDEEN D-3 08/15/90	D-3 01/09/91
(Units in ug/l)					
Chloromethane		<10 U	<10 U	<10 U	<10 U
Bromomethane		<10 U	<10 U	<10 U	<10 U
Vinyl chloride		<10 U	<10 U	<10 U	<10 U
Chloroethane		<10 U	<10 U	<10 U	<10 U
Methylene chloride		<10 U	<5 U	65	<5 U
Acetone		<10 U	62	<10 U	<10 U
Carbon disulfide		<10 U	<5 U	<5 U	<5 U
1,1-Dichloroethane		<10 U	<5 U	<5 U	<5 U
1,1-Dichloroethane		<10 U	<5 U	<5 U	<5 U
1,2-Dichloroethane		<10 U	<5 U	<5 U	<5 U
Chloroform		<10 U	<5 U	<5 U	<5 U
1,2-Dichloroethane		<10 U	<5 U	<5 U	<5 U
2-Butanone		<10 U	12	<10 U	<10 U
1,1,1-Trichloroethane		<10 U	<5 U	<5 U	<5 U
Carbon tetrachloride		<10 U	<5 U	<5 U	<5 U
Vinyl acetate		--	<10 U	<10 U	<10 U
Bromodichloromethane		<10 U	<5 U	<5 U	<5 U
1,2-Dichloropropane		<10 U	<5 U	<5 U	<5 U
cis-1,3-Dichloropropene		<10 U	<5 U	<5 U	<5 U
Trichloroethene		<10 U	<5 U	<5 U	<5 U
Dibromochloromethane		<10 U	<5 U	<5 U	<5 U
1,1,2-Trichloroethane		<10 U	<5 U	<5 U	<5 U
Benzene		<10 U	<5 U	<5 U	<5 U
trans-1,3-Dichloropropene		<10 U	<5 U	<5 U	<5 U
Bromoform		<10 U	<5 U	<5 U	<5 U
4-Methyl-2-pentanone		<10 U	<10 U	<10 U	<10 U
2-Hexanone		<10 U	<10 U	<10 U	<10 U
Tetrachloroethane		<10 U	<5 U	<5 U	<5 U
1,1,2,2-Tetrachloroethane		<10 U	<5 U	<5 U	<5 U
Toluene		<10 U	<5 U	<5 U	<5 U
Chlorobenzene		<10 U	<5 U	<5 U	<5 U
Ethylbenzene		<10 U	<5 U	<5 U	<5 U
Styrene		<10 U	<5 U	<5 U	<5 U
Xylene (total)		<10 U	<5 U	<5 U	<5 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-03	D-03	D-03	D-03
		SAMPLE ID	D-3	D-3 9-25 0930	D-3 12/18 0900	D-3
		DATE	05/30/91	09/25/91	12/18/91	07/14/92
Chloromethane			<10 U	<10 U	<10 U	<10 U
Bromomethane			<10 U	<10 U	<10 U	<10 U
Vinyl chloride			<10 U	<10 U	<10 U	<10 U
Chloroethane			<10 U	<10 U	<10 U	<10 U
Methylene chloride			<5 U	(3) J	<10 U	14
Acetone			<10 U	<10 U	<10 U	<10 U
Carbon disulfide			<5 U	<10 U	<10 U	<10 U
1,1-Dichloroethene			<5 U	<10 U	<10 U	---
1,1-Dichloroethane			<5 U	<10 U	<10 U	<10 U
1,2-Dichloroethene			<5 U	<10 U	<10 U	<10 U
Chloroform			<5 U	<10 U	<10 U	<10 U
1,2-Dichloroethane			<5 U	<10 U	<10 U	<10 U
2-Butanone			<10 U	<10 U	<10 U	<10 U
1,1,1-Trichloroethane			<5 U	<10 U	<10 U	<10 U
Carbon tetrachloride			<5 U	<10 U	<10 U	<10 U
Vinyl acetate			<10 U	<10 U	---	---
Bromodichloromethane			<5 U	<10 U	<10 U	<10 U
1,2-Dichloropropane			<5 U	<10 U	<10 U	<10 U
cis-1,3-Dichloropropene			<5 U	<10 U	<10 U	<10 U
Trichloroethene			<5 U	<10 U	<10 U	<10 U
Dibromochloromethane			<5 U	<10 U	<10 U	<10 U
1,1,2-Trichloroethane			<5 U	<10 U	<10 U	<10 U
Benzene			<5 U	<10 U	<10 U	<10 U
trans-1,3-Dichloropropene			<5 U	<10 U	<10 U	<10 U
Bromoform			<5 U	<10 U	<10 U	<10 U
4-Methyl-2-pentanone			<10 U	<10 U	<10 U	<10 U
2-Hexanone			<10 U	<10 U	<10 U	<10 U
Tetrachloroethane			<5 U	<10 U	<10 U	<10 U
1,1,2,2-Tetrachloroethane			<5 U	<10 U	<10 U	<10 U
Toluene			<5 U	<10 U	<10 U	<10 U
Chlorobenzene			<5 U	<10 U	<10 U	<10 U
Ethylbenzene			<5 U	<10 U	<10 U	<10 U
Styrene			<5 U	<10 U	<10 U	<10 U
Xylene (total)			<5 U	<10 U	<10 U	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Detection Limit

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-03	D-03	D-03	D-03
		SAMPLE ID	D-3	D-3	D-3	D-3
		DATE	10/27/92	02/03/93	05/12/93	07/15/93
Chloromethane			<10 U	<10 U	<10 U	<10 U
Bromomethane			<10 U	<10 U	<10 U	<10 U
Vinyl chloride			<10 U	<10 U	<10 U	<10 U
Chloroethane			<10 U	<10 U	<10 U	<10 U
Methylene chloride			2 J	<10 U	42	10
Acetone			<10 U	<10 U	12	<10 U
Carbon disulfide			<10 U	<10 U	(5) J	<10 U
1,1-Dichloroethane			<10 U	<10 U	<10 U	<10 U
1,1-Dichloroethane			<10 U	<10 U	<10 U	<10 U
1,2-Dichloroethane			<10 U	<10 U	<10 U	<10 U
Chloroform			<10 U	<10 U	<10 U	<10 U
1,2-Dichloroethane			<10 U	<10 U	<10 U	<10 U
2-Butanone			<10 U	<10 U	<10 U	<10 U
1,1,1-Trichloroethane			<10 U	<10 U	<10 U	<10 U
Carbon tetrachloride			<10 U	<10 U	<10 U	<10 U
Vinyl acetate			--	--	--	--
Bromodichloromethane			<10 U	<10 U	<10 U	<10 U
1,2-Dichloropropane			<10 U	<10 U	<10 U	<10 U
cis-1,3-Dichloropropene			<10 U	<10 U	<10 U	<10 U
Trichloroethene			<10 U	<10 U	<10 U	<10 U
Dibromochloromethane			<10 U	<10 U	<10 U	<10 U
1,1,2-Trichloroethane			<10 U	<10 U	<10 U	<10 U
Benzene			<10 U	<10 U	<10 U	<10 U
trans-1,3-Dichloropropene			<10 U	<10 U	<10 U	<10 U
Bromoform			<10 U	<10 U	<10 U	<10 U
4-Methyl-2-pentanone			<10 U	<10 U	<10 U	<10 U
2-Hexanone			<10 U	<10 U	<10 U	<10 U
Tetrachloroethene			<10 U	<10 U	<10 U	<10 U
1,1,2,2-Tetrachloroethane			<10 U	<10 U	<10 U	<10 U
Toluene			<10 U	<10 U	<10 U	<10 U
Chlorobenzene			<10 U	<10 U	<10 U	<10 U
Ethylbenzene			<10 U	<10 U	<10 U	<10 U
Styrene			<10 U	<10 U	<10 U	<10 U
Xylene (total)			<10 U	<10 U	<10 U	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

() = Less than Detection Limit

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-03	D-03	D-03	D-03
		SAMPLE ID	D-3	D-3	D-3	D-3
		DATE	10/27/92	02/03/93	05/12/93	07/16/93
1,3-Dichlorobenzene			< 10 U	< 11 U	< 10# U	< 10# U
1,4-Dichlorobenzene			< 10 U	< 11 U	< 10# U	< 10# U
1,2-Dichlorobenzene			< 10 U	< 11 U	< 10# U	< 10# U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed
 # = Constituent in more than one test method, highest result reported.
 For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-03	D-04E	D-04E	D-04E
		SAMPLE ID	D-3	D-4	ABERDEEN D-4	D-4E
		DATE	10/20/93	05/28/90	08/15/90	01/09/91
Chloromethane			<10 U	<10 U	<10 U	--
Bromomethane			<10 U	<10 U	<10 U	--
Vinyl chloride			<10 U	<10 U	<10 U	--
Chloroethane			<10 U	<10 U	<10 U	--
Methylene chloride			<10 U	<5 U	22	--
Acetone			<10 U	<10 U	<10 U	--
Carbon disulfide			<10 U	<5 U	3 J	--
1,1-Dichloroethane			<10 U	<5 U	<5 U	--
1,1-Dichloroethane			<10 U	<5 U	<5 U	--
1,2-Dichloroethane			<10 U	<5 U	<5 U	--
Chloroform			<10 U	<5 U	<5 U	--
1,2-Dichloroethane			<10 U	<5 U	<5 U	--
2-Butanone			<10 U	<10 U	<10 U	--
1,1,1-Trichloroethane			<10 U	<5 U	<5 U	--
Carbon tetrachloride			<10 U	<5 U	<5 U	--
Vinyl acetate			--	<10 U	<10 U	--
Bromodichloromethane			<10 U	<5 U	<5 U	--
1,2-Dichloropropane			<10 U	<5 U	<5 U	--
cis-1,3-Dichloropropene			<10 U	<5 U	<5 U	--
Trichloroethene			<10 U	<5 U	<5 U	--
Dibromochloromethane			<10 U	<5 U	<5 U	--
1,1,2-Trichloroethane			<10 U	<5 U	<5 U	--
Benzene			<10 U	<5 U	<5 U	--
trans-1,3-Dichloropropene			<10 U	<5 U	<5 U	--
Bromoform			<10 U	<5 U	<5 U	--
4-Methyl-2-pentanone			<10 U	<10 U	<10 U	--
2-Hexanone			<10 U	<10 U	<10 U	--
Tetrachloroethane			<10 U	<5 U	<5 U	--
1,1,2,2-Tetrachloroethane			<10 U	<5 U	<5 U	--
Toluene			<10 U	<5 U	<5 U	--
Chlorobenzene			<10 U	<5 U	<5 U	--
Ethylbenzene			<10 U	<5 U	<5 U	--
Styrene			<10 U	<5 U	<5 U	--
Xylene (total)			<10 U	<5 U	<5 U	--

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-04E	D-04E	D-04E	D-05
		SAMPLE ID	D4E-1010	D4E-925	EPA Sample	D-5
		DATE	05/30/91	09/25/91	01/16/92	05/28/90
Chloromethane			---	---	<1	<10 U
Bromomethane			---	---	<1	<10 U
Vinyl chloride			---	---	<1	<10 U
Chloroethane			---	---	<1	<10 U
Methylene chloride			---	---	<1	<5 U
Acetone			---	---	<5 J	<10 U
Carbon disulfide			---	---	<5 J	<5 U
1,1-Dichloroethane			---	---	<1	<5 U
1,1-Dichloroethane			---	---	<1	<5 U
1,2-Dichloroethane			---	---	---	<5 U
Chloroform			---	---	<1	(3) J
1,2-Dichloroethane			---	---	<1	<5 U
2-Butanone			---	---	<1	<10 U
1,1,1-Trichloroethane			---	---	<1	<5 U
Carbon tetrachloride			---	---	<1	<5 U
Vinyl acetate			---	---	---	<10 U
Bromodichloromethane			---	---	<1	<5 U
1,2-Dichloropropane			---	---	<1	<5 U
cis-1,3-Dichloropropene			---	---	<1	<5 U
Trichloroethane			---	---	<1	<5 U
Dibromochloromethane			---	---	<1	<5 U
1,1,2-Trichloroethane			---	---	<1	<5 U
Benzene			---	---	<1	<5 U
trans-1,3-Dichloropropane			---	---	---	<5 U
Bromoform			---	---	<1 J	<5 U
4-Methyl-2-pentanone			---	---	<1	<10 U
2-Hexanone			---	---	<1	<10 U
Tetrachloroethane			---	---	---	<5 U
1,1,2,2-Tetrachloroethane			---	---	<1	<5 U
Toluene			---	---	<1	8
Chlorobenzene			---	---	<1	<5 U
Ethylbenzene			---	---	<1	4
Styrene			---	---	<1	<5 U
Xylene (total)			---	---	<1	17

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

() = Less than Detection Limit

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-05 ABERDEEN D-5 08/16/90	D-05 D-5 01/09/91	D-05 D5-1130 05/30/91	D-05 EPA Sample 01/16/92
Chloromethane			<10 U	---	---	<1
Bromomethane			<10 U	---	---	<1
Vinyl chloride			<10 U	---	---	<1
Chloroethane			<10 U	---	---	1
Methylene chloride			55	---	---	<1
Acetone			<10 U	---	---	<3 J
Carbon disulfide			<5 U	---	---	<1 J
1,1-Dichloroethane			<5 U	---	---	<1
1,1-Dichloroethane			<5 U	---	---	(0.3) J
1,2-Dichloroethane			<5 U	---	---	---
Chloroform			<5 U	---	---	<1
1,2-Dichloroethane			<5 U	---	---	<1
2-Butanone			<10 U	---	---	<1
1,1,1-Trichloroethane			<5 U	---	---	<1
Carbon tetrachloride			<5 U	---	---	<1
Vinyl acetate			<10 U	---	---	---
Bromodichloromethane			<5 U	---	---	<1
1,2-Dichloropropane			<5 U	---	---	<1
cis-1,3-Dichloropropene			<5 U	---	---	<1
Trichloroethane			<5 U	---	---	<1
Dibromochloromethane			<5 U	---	---	<1
1,1,2-Trichloroethane			<5 U	---	---	<1
Benzene			<5 U	---	---	<1
trans-1,3-Dichloropropene			<5 U	---	---	---
Bromoform			<5 U	---	---	<1
4-Methyl-2-pentanone			<10 U	---	---	<1
2-Hexanone			<10 U	---	---	<1
Tetrachloroethane			<5 U	---	---	---
1,1,2,2-Tetrachloroethane			<5 U	---	---	<1
Toluene			8	---	---	11
Chlorobenzene			<5 U	---	---	<1
Ethylbenzene			3 J	---	---	1
Styrene			<5 U	---	---	<1
Xylene (total)			14	---	---	6

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Detection Limit

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-05	D-05	D-05	D-05
		SAMPLE ID	ABERDEEN D-5	D-5	D5-1130	EPA Sample
		DATE	06/15/90	01/09/91	05/30/91	01/16/92
1,3-Dichlorobenzene			<20 U	<10 U	<10 U	<1#
1,4-Dichlorobenzene			<20 U	<10 U	<10 U	<1#
1,2-Dichlorobenzene			<20 U	<10 U	<10 U	<1#

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

CONSTITUENT	(Units in ug/l)	SITE	D-06	D-06	D-06	D-06
		SAMPLE ID	D-6	D-6	D6-1145	D6-925
		DATE	09/13/90	01/09/91	05/30/91	09/25/91
Chloromethane			---	---	---	---
Bromomethane			---	---	---	---
Vinyl chloride			---	---	---	---
Chloroethane			---	---	---	---
Methylene chloride			---	---	---	---
Acetone			---	---	---	---
Carbon disulfide			---	---	---	---
1,1-Dichloroethane			---	---	---	---
1,1-Dichloroethane			---	---	---	---
1,2-Dichloroethane			---	---	---	---
Chloroform			---	---	---	---
1,2-Dichloroethane			---	---	---	---
2-Butanone			---	---	---	---
1,1,1-Trichloroethane			---	---	---	---
Carbon tetrachloride			---	---	---	---
Vinyl acetate			---	---	---	---
Bromodichloromethane			---	---	---	---
1,2-Dichloropropane			---	---	---	---
cis-1,3-Dichloropropene			---	---	---	---
Trichloroethane			---	---	---	---
Dibromochloromethane			---	---	---	---
1,1,2-Trichloroethane			---	---	---	---
Benzene			---	---	---	---
trans-1,3-Dichloropropene			---	---	---	---
Bromoform			---	---	---	---
4-Methyl-2-pentanone			---	---	---	---
2-Hexanone			---	---	---	---
Tetrachloroethane			---	---	---	---
1,1,2,2-Tetrachloroethane			---	---	---	---
Toluene			---	---	---	---
Chlorobenzene			---	---	---	---
Ethylbenzene			---	---	---	---
Styrene			---	---	---	---
Xylene (total)			---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8240

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-06 D-6 01/16/92	D-06 EPA Sample 01/16/92	D-07 D-7 09/13/90	D-07 D7-1105 05/30/91
Chloromethane		<10 U	<1	---	---
Bromomethane		<10 U	<1	---	---
Vinyl chloride		<10 U	<1	---	---
Chloroethane		<10 U	<1	---	---
Methylene chloride		<10 U	<1	---	---
Acetone		<10 U	<2 J	---	---
Carbon disulfide		<10 U	<5 J	---	---
1,1-Dichloroethane		<10 U	<1	---	---
1,1-Dichloroethane		<10 U	<1	---	---
1,2-Dichloroethane		<10 U	---	---	---
Chloroform		<10 U	<1	---	---
1,2-Dichloroethane		<10 U	<1	---	---
2-Butanone		<10 U	<1	---	---
1,1,1-Trichloroethane		<10 U	<1	---	---
Carbon tetrachloride		<10 U	<1	---	---
Vinyl acetate		---	---	---	---
Bromodichloromethane		<10 U	<1	---	---
1,2-Dichloropropane		<10 U	<1	---	---
cis-1,3-Dichloropropene		<10 U	<1	---	---
Trichloroethane		<10 U	<1	---	---
Dibromochloromethane		<10 U	<1	---	---
1,1,2-Trichloroethane		<10 U	<1	---	---
Benzene		<10 U	<1	---	---
trans-1,3-Dichloropropene		<10 U	---	---	---
Bromoform		<10 U	<1 J	---	---
4-Methyl-2-pentanone		<10 U	<1	---	---
2-Hexanone		<10 U	<1	---	---
Tetrachloroethane		<10 U	---	---	---
1,1,2,2-Tetrachloroethane		<10 U	<1	---	---
Toluene		<10 U	<1	---	---
Chlorobenzene		<10 U	<1	---	---
Ethylbenzene		<10 U	<1	---	---
Styrene		<10 U	<1	---	---
Xylene (total)		<10 U	<1	---	---

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-06 D-6 01/16/92	D-06 EPA Sample 01/16/92	D-07 D-7 09/13/90	D-07 D7-1105 05/30/91
1,3-Dichlorobenzene			---	<1#	<10 U	<11 U
1,4-Dichlorobenzene			---	<1#	<10 U	<11 U
1,2-Dichlorobenzene			---	<1#	<10 U	<11 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 # = Constituent in more than one test method, highest result reported.
 For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-07	D-07	D-08	D-08
		SAMPLE ID	D7-925	EPA Sample	D-8	D-8
		DATE	09/25/91	01/16/92	09/13/90	01/09/91
Chloromethane			---	<1	---	---
Bromomethane			---	<1	---	---
Vinyl chloride			---	<1	---	---
Chloroethane			---	(0.4) J	---	---
Methylene chloride			---	<5	---	---
Acetone			---	<4 J	---	---
Carbon disulfide			---	<5 J	---	---
1,1-Dichloroethane			---	<1	---	---
1,1-Dichloroethane			---	<1	---	---
1,2-Dichloroethane			---	---	---	---
Chloroform			---	<1	---	---
1,2-Dichloroethane			---	<1	---	---
2-Butanone			---	<5	---	---
1,1,1-Trichloroethane			---	<1	---	---
Carbon tetrachloride			---	<1	---	---
Vinyl acetate			---	---	---	---
Bromodichloromethane			---	<1	---	---
1,2-Dichloropropane			---	<1	---	---
cis-1,3-Dichloropropene			---	<1	---	---
Trichloroethene			---	<1	---	---
Dibromochloromethane			---	<1	---	---
1,1,2-Trichloroethane			---	<1	---	---
Benzene			---	<1	---	---
trans-1,3-Dichloropropane			---	---	---	---
Bromoform			---	<1	---	---
4-Methyl-2-pentanone			---	<1	---	---
2-Hexanone			---	<1	---	---
Tetrachloroethane			---	---	---	---
1,1,2,2-Tetrachloroethane			---	<1	---	---
Toluene			---	<1	---	---
Chlorobenzene			---	<1	---	---
Ethylbenzene			---	<1	---	---
Styrene			---	<1	---	---
Xylene (total)			---	<1	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(l) = Less than Detection Limit

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-07	D-07	D-06	D-06
			D7-925 09/25/91	EPA Sample 01/16/92	D-6 09/13/90	D-6 01/09/91
1,3-Dichlorobenzene			<10 U	<7#	<10 U	<10 U
1,4-Dichlorobenzene			<10 U	<7#	<10 U	<10 U
1,2-Dichlorobenzene			<10 U	<7#	<10 U	<10 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed
 # = Constituent in more than one test method, highest result reported.
 For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-08	D-08	D-08	D-09
		SAMPLE ID	D8-1030	D8-925	EPA Sample	D-9
		DATE	05/30/91	09/25/91	01/16/92	09/13/90
Chloromethane			---	---	<1	---
Bromomethane			---	---	<1	---
Vinyl chloride			---	---	<1	---
Chloroethane			---	---	(0.8) J	---
Methylene chloride			---	---	(0.2) J	---
Acetone			---	---	8 J	---
Carbon disulfide			---	---	<5 J	---
1,1-Dichloroethane			---	---	<1	---
1,1-Dichloroethane			---	---	<1	---
1,2-Dichloroethane			---	---	---	---
Chloroform			---	---	<1	---
1,2-Dichloroethane			---	---	<1	---
2-Butanone			---	---	<5	---
1,1,1-Trichloroethane			---	---	<1	---
Carbon tetrachloride			---	---	<1	---
Vinyl acetate			---	---	---	---
Bromodichloromethane			---	---	<1	---
1,2-Dichloropropane			---	---	<1	---
cis-1,3-Dichloropropene			---	---	<1	---
Trichloroethane			---	---	<1	---
Dibromochloromethane			---	---	<1	---
1,1,2-Trichloroethane			---	---	<1	---
Benzene			---	---	<1	---
trans-1,3-Dichloropropene			---	---	---	---
Bromoform			---	---	<1	---
4-Methyl-2-pentanone			---	---	<1	---
2-Hexanone			---	---	<1	---
Tetrachloroethane			---	---	---	---
1,1,2,2-Tetrachloroethane			---	---	<1	---
Toluene			---	---	<1	---
Chlorobenzene			---	---	<1	---
Ethylbenzene			---	---	<1	---
Styrene			---	---	<1	---
Xylene (total)			---	---	<1	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(J) = Less than Detection Limit

For RCL 8240

CONSTITUENT	(Units in ug/l)	SITE	D-09	D-09	D-09	PURGEWATER
		SAMPLE ID	D-9	D9-0945	D9-925	DRUM SAMPLE
		DATE	01/09/91	05/30/91	09/25/91	05/25/90
Chloromethane			---	---	---	< 10 U
Bromomethane			---	---	---	< 10 U
Vinyl chloride			---	---	---	< 10 U
Chloroethane			---	---	---	7 J
Methylene chloride			---	---	---	< 5 U
Acetone			---	---	---	< 10 U
Carbon disulfide			---	---	---	< 5 U
1,1-Dichloroethane			---	---	---	< 5 U
1,1-Dichloroethane			---	---	---	< 5 U
1,2-Dichloroethane			---	---	---	< 5 U
Chloroform			---	---	---	4 J
1,2-Dichloroethane			---	---	---	< 5 U
2-Butanone			---	---	---	< 10 U
1,1,1-Trichloroethane			---	---	---	< 5 U
Carbon tetrachloride			---	---	---	< 5 U
Vinyl acetate			---	---	---	< 10 U
Bromodichloromethane			---	---	---	< 5 U
1,2-Dichloropropane			---	---	---	< 5 U
cis-1,3-Dichloropropene			---	---	---	< 5 U
Trichloroethene			---	---	---	< 5 U
Dibromochloromethane			---	---	---	< 5 U
1,1,2-Trichloroethane			---	---	---	< 5 U
Benzene			---	---	---	< 5 U
trans-1,3-Dichloropropane			---	---	---	< 5 U
Bromoform			---	---	---	< 5 U
4-Methyl-2-pentanone			---	---	---	< 10 U
2-Hexanone			---	---	---	< 10 U
Tetrachloroethane			---	---	---	< 5 U
1,1,2,2-Tetrachloroethane			---	---	---	< 5 U
Toluene			---	---	---	4 J
Chlorobenzene			---	---	---	< 5 U
Ethylbenzene			---	---	---	< 5 U
Styrene			---	---	---	< 5 U
Xylene (total)			---	---	---	4 J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8240

CONSTITUENT (Units in ug/l)	SITE	PURGEWATER
	SAMPLE ID	PURGEWATER
	DATE	12/18/91
Chloromethane		< 10 U
Bromomethane		< 10 U
Vinyl chloride		< 10 U
Chloroethane		(3) J
Methylene chloride		(3) J
Acetone		< 10 U
Carbon disulfide		< 10 U
1,1-Dichloroethane		< 10 U
1,1-Dichloroethane		< 10 U
1,2-Dichloroethane		< 10 U
Chloroform		< 10 U
1,2-Dichloroethane		< 10 U
2-Butanone		< 10 U
1,1,1-Trichloroethane		< 10 U
Carbon tetrachloride		< 10 U
Vinyl acetate		
Bromodichloromethane		< 10 U
1,2-Dichloropropane		< 10 U
cis-1,3-Dichloropropene		< 10 U
Trichloroethane		< 10 U
Dibromochloromethane		< 10 U
1,1,2-Trichloroethane		< 10 U
Benzene		< 10 U
trans-1,3-Dichloropropene		< 10 U
Bromoform		< 10 U
4-Methyl-2-pentanone		< 10 U
2-Hexanone		< 10 U
Tetrachloroethane		< 10 U
1,1,2,2-Tetrachloroethane		< 10 U
Toluene		(8) J
Chlorobenzene		< 10 U
Ethylbenzene		< 10 U
Styrene		< 10 U
Xylene (total)		(2) J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Detection Limit

For RCL 8240

Weyco Aberdeen

Date: 02/07/96

Semi-volatiles

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-01 WELL D-1 05/25/90	D-01 ABERDEEN D-1 08/15/90	D-01 D-1 05/30/91	D-01 D-1 9:25 1230 09/25/91
Phenol			<10 U	<20 U	<10 U	<10 U
bis(2-Chloroethyl) ether			<10 U	<20 U	<10 U	<10 U
2-Chlorophenol			<10 U	<20 U	<10 U	<10 U
1,3-Dichlorobenzene			<10 U	<20 U	<10 U	<10 U
1,4-Dichlorobenzene			<10 U	<20 U	<10 U	<10 U
Benzyl alcohol			<10 U	<20 U	<10 U	<10 U
1,2-Dichlorobenzene			<10 U	<20 U	<10 U	<10 U
2-Methylphenol			<10 U	<20 U	<10 U	<10 U
Bis(2-chloro-1-methylethyl) ether			<10 U	<20 U	<10 U	<10 U
4-Methylphenol			<10 U	<20 U	<10 U	<10 U
N-Nitrosodipropylamine			<10 U	<20 U	<10 U	<10 U
Hexachloroethane			<10 U	<20 U	<10 U	<10 U
Nitrobenzene			<10 U	<20 U	<10 U	<10 U
Isophorone			<10 U	<20 U	<10 U	<10 U
2-Nitrophenol			<10 U	<20 U	<10 U	<10 U
2,4-Dimethylphenol			<10 U	<20 U	<10 U	<10 U
Benzoic acid			4 J	<100 U	<52 U	<52 U
Bis(2-chloroethoxy) methane			<10 U	<20 U	<10 U	<10 U
2,4-Dichlorophenol			<10 U	<20 U	<10 U	<10 U
1,2,4-Trichlorobenzene			<10 U	<20 U	<10 U	<10 U
Naphthalene			<10 U	<20 U	<10 U	<10 U
4-Chloroaniline			<10 U	<20 U	<10 U	<10 U
Hexachlorobutadiene			<10 U	<20 U	<10 U	<10 U
4-Chloro-3-methylphenol			<10 U	<20 U	<10 U	<10 U
2-Methylnaphthalene			<10 U	<20 U	<10 U	<10 U
Hexachlorocyclopentadiene			<10 U	<20 U	<10 U	<10 U
2,4,6-Trichlorophenol			<10 U	<20 U	<10 U	<10 U
2,4,5-Trichlorophenol			<52 U	<100 U	<52 U	<52 U
2-Chloronaphthalene			<10 U	<20 U	<10 U	<10 U
2-Nitroaniline			<52 U	<100 U	<52 U	<52 U
Dimethyl phthalate			<10 U	<20 U	<10 U	<10 U
Acanaphthylene			<10 U	<20 U	<10 U	<10 U
2,6-Dinitrotoluene			<10 U	<20 U	<10 U	<10 U
3-Nitroaniline			<52 U	<100 U	<52 U	<52 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-01	D-01	D-01	D-01
	SAMPLE ID DATE	WELL D-1 05/25/90	ABERDEEN D-1 08/15/90	D-1 05/30/91	D-1 D-1 9-25 1230 09/25/91
Acenaphthene		< 10 U	< 20 U	< 10 U	< 10 U
2,4-Dinitrophenol		< 52 U	< 100 U	< 52 U	< 52 U
4-Nitrophenol		< 52 U	< 100 U	< 52 U	< 52 U
Dibenzofuran		< 10 U	< 20 U	< 10 U	< 10 U
2,4-Dinitrotoluene		< 10 U	< 20 U	< 10 U	< 10 U
Diethyl phthalate		< 10 U	< 20 U	< 10 U	< 10 U
4-Chlorophenyl phenyl ether		< 10 U	< 20 U	< 10 U	< 10 U
Fluorane		< 10 U	< 20 U	< 10 U	< 10 U
4-Nitroaniline		< 52 U	< 100 U	< 52 U	< 52 U
4,6-Dinitro-2-methylphenol		< 52 U	< 100 U	< 52 U	< 52 U
N-Nitrosodiphenylamine		< 10 U	< 20 U	< 10 U	< 10 U
4-Bromophenyl phenyl ether		< 10 U	< 20 U	< 10 U	< 10 U
Hexachlorobenzene		< 10 U	< 20 U	< 10 U	< 10 U
Pentachlorophenol		< 52 U	< 200 U	< 52 U	< 52 U
Phenanthrene		< 10 U	< 20 U	< 10 U	< 10 U
Anthracene		< 10 U	< 20 U	< 10 U	< 10 U
Carbazole		---	---	---	---
Di-n-butyl phthalate		< 10 U	< 20 U	< 10 U	< 10 U
Fluoranthene		< 10 U	< 20 U	< 10 U	< 10 U
Pyrene		< 10 U	< 20 U	< 10 U	< 10 U
Butyl benzyl phthalate		< 10 U	< 20 U	< 10 U	< 10 U
3,3'-Dichlorobenzidine		< 21 U	< 40 U	< 21 U	< 21 U
Benzo(a)anthracene		< 10 U	< 20 U	< 10 U	< 10 U
Chrysene		< 10 U	< 20 U	< 10 U	< 10 U
bis(2-Ethylhexyl) phthalate		< 10 U	< 20 U	< 10 U	< 10 U
Di-n-octyl phthalate		< 10 U	< 20 U	< 10 U	< 10 U
Benzo(b)fluoranthene		< 10 U	< 20 U	< 10 U	< 10 U
Benzo(k)fluoranthene		< 10 U	< 20 U	< 10 U	< 10 U
Benzo(a)pyrene		< 10 U	< 20 U	< 10 U	< 10 U
Indeno(1,2,3-cd)pyrene		< 10 U	< 20 U	< 10 U	< 10 U
Dibenzo(a,h)anthracene		< 10 U	< 20 U	< 10 U	< 10 U
Benzo(g,h,i)perylene		< 10 U	< 20 U	< 10 U	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-01 EPA Sample 01/16/92	D-01 D-1 07/14/92	D-01 D-1 10/27/92	D-01 D-1 02/03/93
Phenol			<1	<11 U	<10 U	<10 U
bis(2-Chloroethyl) ether			<1	<11 U	<10 U	<10 U
2-Chlorophenol			<1	<11 U	<10 U	<10 U
1,3-Dichlorobenzene			<1#	<11 U	<10 U	<10 U
1,4-Dichlorobenzene			<1#	<11 U	<10 U	<10 U
Benzyl alcohol			<26	---	---	<10 U
1,2-Dichlorobenzene			<1#	<11 U	<10 U	<10 U
2-Methylphenol			<1	<11 U	<10 U	<10 U
Bis(2-chloro-1-methylathyl) ether			---	<11 U	<10 U	<10 U
4-Methylphenol			<1	<11 U	<10 U	<10 U
N-Nitrosodipropylamine			<1 J	<11 U	<10 U	<10 U
Hexachloroethane			<1	<11 U	<10 U	<10 U
Nitrobenzene			<1	<11 U	<10 U	<10 U
Isophorone			<1 J	<11 U	<10 U	<10 U
2-Nitrophenol			<3	<11 U	<10 U	<10 U
2,4-Dimethylphenol			<1	<11 U	<10 U	<10 U
Benzoic acid			<16	---	---	---
Bis(2-chloroethoxy) methane			<1	<11 U	<10 U	<10 U
2,4-Dichlorophenol			---	<11 U	<10 U	<10 U
1,2,4-Trichlorobenzene			<1#	<11 U	<10 U	<10 U
Naphthalene			<1#	<11 U	<10 U	<10 U
4-Chloroaniline			<16 J	<11 U	<10 U	<10 U
Hexachlorobutadiene			<3#	<11 U	<10 U	<10 U
4-Chloro-3-methylphenol			<6	<11 U	<10 U	<10 U
2-Methylnaphthalene			<1	<11 U	<10 U	<10 U
Hexachlorocyclopentadiene			<6	<11 U	<10 U	<10 U
2,4,6-Trichlorophenol			<0.1#	<11 U	<10 U	<10 U
2,4,5-Trichlorophenol			<0.2#	<28 U	<26 U	<26 U
2-Chloronaphthalene			<1	<11 U	<10 U	<10 U
2-Nitroaniline			<3 J	<28 U	<26 U	<26 U
Dimethyl phthalate			<1	<11 U	<10 U	<10 U
Acenaphthylene			<1	<11 U	<10 U	<10 U
2,6-Dinitrotoluene			<3	<11 U	<10 U	<10 U
3-Nitroaniline			<16 J	<28 U	<26 U	<26 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-01	D-01	D-01	D-01
		SAMPLE ID	EPA Sample	D-1	D-1	D-1
		DATE	01/16/92	07/14/92	10/27/92	02/03/93
Acenaphthene			(0.1) J	<11 U	<10 U	<10 U
2,4-Dinitrophenol			<16	<28 U	<26 U	<26 U
4-Nitrophenol			<8	<28 U	<26 U	<26 U
Dibenzofuran			<1	<11 U	<10 U	<10 U
2,4-Dinitrotoluene			<3	<11 U	<10 U	<10 U
Diethyl phthalate			<1	<11 U	<10 U	<10 U
4-Chlorophenyl phenyl ether			<1	<11 U	<10 U	<10 U
Fluorane			<1	<11 U	<10 U	<10 U
4-Nitroaniline			<16	<28 U	<26 U	<26 U
4,6-Dinitro-2-methylphenol			<16	<28 U	<26 U	<26 U
N-Nitrosodiphenylamine			<16 J	<11 U	<10 U	<10 U
4-Bromophenyl phenyl ether			<1	<11 U	<10 U	<10 U
Hexachlorobenzene			<1	<11 U	<10 U	<10 U
Pentachlorophenol			<0.03#	<28 U	<26 U	<26 U
Phenanthrene			<1	<11 U	<10 U	<10 U
Anthracene			<1	<11 U	<10 U	<10 U
Carbazole			<6 J	<11 U	<10 U	<10 U
Di-n-butyl phthalate			<1	<11 U	<10 U	<10 U
Fluoranthene			<1	<11 U	<10 U	<10 U
Pyrene			<1	<11 U	<10 U	<10 U
Butyl benzyl phthalate			<3	<11 U	<10 U	<10 U
3,3'-Dichlorobenzidine			<32	<11 U	<10 U	<20 U
Benzo(a)anthracene			<1	<11 U	<10 U	<10 U
Chrysene			<1	<11 U	<10 U	<10 U
bis(2-Ethylhexyl) phthalate			<2	<11 U	<10 U	<10 U
Di-n-octyl phthalate			<1 J	<11 U	<10 U	<10 U
Benzo(b)fluoranthene			<1 J	<11 U	<10 U	<10 U
Benzo(k)fluoranthene			<1 J	<11 U	<10 U	<10 U
Benzo(a)pyrene			<1 J	<11 U	<10 U	<10 U
Indeno(1,2,3-cd)pyrene			<1 J	<11 U	<10 U	<10 U
Dibenzo(a,h)anthracene			<3 J	<11 U	<10 U	<10 U
Benzo(g,h,i)perylene			<1 J	<11 U	<10 U	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL 8270

CONSTITUENT	SITE SAMPLE ID DATE	D-01	D-01	D-01	D-02
		D-1 05/12/93	D-1 07/15/93	D-1 10/20/93	WELL D-2 05/25/90
(Units in ug/l)					
Phenol		< 12 U	< 20 U	---	< 10 U
bis(2-Chloroethyl) ether		< 12 U	< 20 U	---	< 10 U
2-Chlorophenol		< 12 U	< 20 U	---	110
1,3-Dichlorobenzene		< 12# U	< 10# U	< 10 U	< 10 U
1,4-Dichlorobenzene		< 12# U	< 10# U	< 10 U	< 10 U
Benzyl alcohol		---	---	---	< 10 U
1,2-Dichlorobenzene		< 12# U	< 10# U	< 10 U	< 10 U
2-Methylphenol		< 12 U	< 20 U	---	< 10 U
Bis(2-chloro-1-methylethyl) ether		< 12 U	< 20 U	---	< 10 U
4-Methylphenol		< 12 U	< 20 U	---	< 10 U
N-Nitrosodipropylamine		< 12 U	< 20 U	---	< 10 U
Hexachloroethane		< 12 U	< 20 U	---	< 10 U
Nitrobenzene		< 12 U	< 20 U	---	< 10 U
Isophorone		< 12 U	< 20 U	---	< 10 U
2-Nitrophenol		< 12 U	< 20 U	---	< 10 U
2,4-Dimethylphenol		< 12 U	< 20 U	---	< 10 U
Benzoic acid		--	--	--	4 J
Bis(2-chloroethoxy) methane		< 12 U	< 20 U	---	< 10 U
2,4-Dichlorophenol		< 12 U	< 20 U	---	< 10 U
1,2,4-Trichlorobenzene		< 12 U	< 20 U	---	2 J
Naphthalene		< 12 U	< 20 U	---	< 10 U
4-Chloroaniline		< 12 U	< 20 U	---	< 10 U
Hexachlorobutadiene		< 12 U	< 20 U	---	< 10 U
4-Chloro-3-methylphenol		< 12 U	< 20 U	---	< 10 U
2-Methylnaphthalene		< 12 U	< 20 U	---	22
Hexachlorocyclopentadiene		< 12 U	< 20 U	---	< 10 U
2,4,6-Trichlorophenol		< 12 U	< 20 U	---	< 10 U
2,4,5-Trichlorophenol		< 31 U	< 50 U	---	< 51 U
2-Chloronaphthalene		< 12 U	< 20 U	---	< 10 U
2-Nitroaniline		< 31 U	< 50 U	---	< 51 U
Dimethyl phthalate		< 12 U	< 20 U	---	< 10 U
Acenaphthylene		< 12 U	< 20 U	---	< 10 U
2,6-Dinitrotoluene		< 12 U	< 20 U	---	< 10 U
3-Nitroaniline		< 31 U	< 50 U	---	< 51 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL 8270

CONSTITUENT	SITE SAMPLE ID DATE	D-01	D-01	D-01	D-02
		D-1 05/12/93	D-1 07/15/93	D-1 10/20/93	WELL D-2 05/25/90
Acenaphthene		< 12 U	< 20 U	---	< 10 U
2,4-Dinitrophenol		< 31 U	< 50 U	---	< 51 U
4-Nitrophenol		< 31 U	< 50 U	---	190
Dibenzofuran		< 12 U	< 20 U	---	< 10 U
2,4-Dinitrotoluene		< 12 U	< 20 U	---	< 10 U
Diethyl phthalate		< 12 U	< 20 U	---	< 10 U
4-Chlorophenyl phenyl ether		< 12 U	< 20 U	---	< 10 U
Fluorene		< 12 U	< 20 U	---	< 10 U
4-Nitroaniline		< 31 U	< 50 U	---	< 51 U
4,6-Dinitro-2-methylphenol		< 31 U	< 50 U	---	< 51 U
N-Nitrosodiphenylamine		< 12 U	< 20 U	---	< 10 U
4-Bromophenyl phenyl ether		< 12 U	< 20 U	---	< 10 U
Hexachlorobenzene		< 12 U	< 20 U	---	< 10 U
Pentachlorophenol		< 31 U	< 50 U	---	83
Phenanthrene		< 12 U	< 20 U	---	< 10 U
Anthracene		< 12 U	< 20 U	---	< 10 U
Carbazole		< 12 U	< 20 U	---	--
Di-n-butyl phthalate		< 12 U	< 20 U	---	< 10 U
Fluoranthene		< 12 U	< 20 U	---	< 10 U
Pyrene		< 12 U	< 20 U	---	< 10 U
Butyl benzyl phthalate		< 12 U	< 20 U	---	< 10 U
3,3'-Dichlorobenzidine		< 12 U	< 20 U	---	< 20 U
Benzo(a)anthracene		< 12 U	< 20 U	---	< 10 U
Chrysene		< 12 U	< 20 U	---	< 10 U
bis(2-Ethylhexyl) phthalate		< 12 U	< 20 U	---	2 J
Di-n-octyl phthalate		< 12 U	< 20 U	---	< 10 U
Benzo(b)fluoranthene		< 12 U	< 20 U	---	< 10 U
Benzo(k)fluoranthene		< 12 U	< 20 U	---	< 10 U
Benzo(a)pyrene		< 12 U	< 20 U	---	< 10 U
Indeno(1,2,3-cd)pyrene		< 12 U	< 20 U	---	< 10 U
Dibenzo(a,h)anthracene		< 12 U	< 20 U	---	< 10 U
Benzo(g,h,i)perylene		< 12 U	< 20 U	---	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-02	D-02	D-02	D-02
	SAMPLE ID DATE	ABERDEEN D-2 08/15/90	D-2 01/09/91	D-2 05/30/91	D-2 D-2 9-25 1000 09/25/91
Phenol		<20 U	<11 U	<10 U	<10 U
bis(2-Chloroethyl) ether		<20 U	<11 U	<10 U	<10 U
2-Chlorophenol		<20 U	<11 U	<10 U	<10 U
1,3-Dichlorobenzene		<20 U	<11 U	<10 U	<10 U
1,4-Dichlorobenzene		<20 U	<11 U	<10 U	<10 U
Benzyl alcohol		<20 U	<11 U	<10 U	<10 U
1,2-Dichlorobenzene		<20 U	<11 U	<10 U	<10 U
2-Methylphenol		<20 U	<11 U	<10 U	<10 U
Bis(2-chloro-1-methylethyl) ether		<20 U	<11 U	<10 U	<10 U
4-Methylphenol		<20 U	<11 U	(2) U	<10 U
N-Nitrosodipropylamine		<20 U	<11 U	<10 U	<10 U
Hexachloroethane		<20 U	<11 U	<10 U	<10 U
Nitrobenzene		<20 U	<11 U	<10 U	<10 U
Isophorone		<20 U	<11 U	<10 U	<10 U
2-Nitrophenol		<20 U	<11 U	<10 U	<10 U
2,4-Dimethylphenol		<20 U	<11 U	<10 U	<10 U
Benzoic acid		<100 U	<53 U	<52 U	<51 U
Bis(2-chloroethoxy) methane		<20 U	<11 U	<10 U	<10 U
2,4-Dichlorophenol		<20 U	<11 U	<10 U	<10 U
1,2,4-Trichlorobenzene		<20 U	<11 U	<10 U	<10 U
Naphthalene		<20 U	<11 U	<10 U	<10 U
4-Chloroaniline		<20 U	<11 U	<10 U	<10 U
Hexachlorobutadiene		<20 U	<11 U	<10 U	<10 U
4-Chloro-3-methylphenol		<20 U	<11 U	<10 U	<10 U
2-Methylnaphthalene		<20 U	<11 U	<10 U	<10 U
Hexachlorocyclopentadiene		<20 U	<11 U	<10 U	<10 U
2,4,6-Trichlorophenol		<20 U	<11 U	<10 U	<10 U
2,4,5-Trichlorophenol		<100 U	<53 U	<52 U	<51 U
2-Chloronaphthalene		<20 U	<11 U	<10 U	<10 U
2-Nitroaniline		<100 U	<53 U	<52 U	<51 U
Dimethyl phthalate		<20 U	<11 U	<10 U	<10 U
Acenaphthylene		<20 U	<11 U	<10 U	<10 U
2,6-Dinitrotoluene		<20 U	<11 U	<10 U	<10 U
3-Nitroaniline		<100 U	<53 U	<52 U	<51 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-02	D-02	D-02	D-02
	SAMPLE ID	ABERDEEN D-2	D-2	D-2	D-2 9:25 1000
	DATE	08/15/90	01/09/91	05/30/91	09/25/91
Acenaphthene		<20 U	<11 U	<10 U	<10 U
2,4-Dinitrophenol		<100 U	<53 U	<52 U	<51 U
4-Nitrophenol		<100 U	<53 U	<52 U	<51 U
Dibenzofuran		<20 U	<11 U	<10 U	<10 U
2,4-Dinitrotoluene		<20 U	<11 U	<10 U	<10 U
Diethyl phthalate		<20 U	<11 U	<10 U	<10 U
4-Chlorophenyl phenyl ether		<20 U	<11 U	<10 U	<10 U
Fluorene		<20 U	<11 U	<10 U	<10 U
4-Nitroaniline		<100 U	<53 U	<52 U	<51 U
4,6-Dinitro-2-methylphenol		<100 U	<53 U	<52 U	<51 U
N-Nitrosodiphenylamine		<20 U	<11 U	<10 U	<10 U
4-Bromophenyl phenyl ether		<20 U	<11 U	<10 U	<10 U
Hexachlorobenzene		<20 U	<11 U	<10 U	<10 U
Pentachlorophenol		<100 U	<53 U	<52 U	<51 U
Phenanthrene		<20 U	<11 U	<10 U	<10 U
Anthracene		<20 U	<11 U	<10 U	<10 U
Carbazole		---	---	---	---
Di-n-butyl phthalate		<20 U	<11 U	<10 U	<10 U
Fluoranthene		<20 U	<11 U	<10 U	<10 U
Pyrene		<20 U	<11 U	<10 U	<10 U
Butyl benzyl phthalate		<20 U	<11 U	<10 U	<10 U
3,3'-Dichlorobenzidine		<40 U	<21 U	<21 U	<20 U
Benzo(a)anthracene		<20 U	<11 U	<10 U	<10 U
Chrysene		<20 U	<11 U	<10 U	<10 U
bis(2-Ethylhexyl) phthalate		<20 U	<11 U	<10 U	<10 U
Di-n-octyl phthalate		<20 U	<11 U	<10 U	<10 U
Benzo(b)fluoranthene		<20 U	<11 U	<10 U	<10 U
Benzo(k)fluoranthene		<20 U	<11 U	<10 U	<10 U
Benzo(a)pyrene		<20 U	<11 U	<10 U	<10 U
Indeno(1,2,3-cd)pyrene		<20 U	<11 U	<10 U	<10 U
Dibenzo(a,h)anthracene		<20 U	<11 U	<10 U	<10 U
Benzo(g,h,i)perylene		<20 U	<11 U	<10 U	<10 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-02	D-02	D-02	D-02
		SAMPLE ID	EPA Sample	D-2	D-2	D-2
DATE		01/16/92	07/14/92	10/27/92	02/03/93	
Phenol		<1	<10 U	<10 U	<10 U	
bis(2-Chloroethyl) ether		<1	<10 U	<10 U	<10 U	
2-Chlorophenol		<1	<10 U	<10 U	<10 U	
1,3-Dichlorobenzene		<1#	<10 U	<10 U	<10 U	
1,4-Dichlorobenzene		<1#	<10 U	<10 U	<10 U	
Benzyl alcohol		<27	--	--	--	
1,2-Dichlorobenzene		<1#	<10 U	<10 U	<10 U	
2-Methylphenol		<1	<10 U	<10 U	<10 U	
Bis(2-chloro-1-methylethyl) ether		--	<10 U	<10 U	<10 U	
4-Methylphenol		<1	<10 U	<10 U	<10 U	
N-Nitrosodipropylamine		<1	<10 U	<10 U	<10 U	
Hexachloroethane		<1	<10 U	<10 U	<10 U	
Nitrobenzene		<1	<10 U	<10 U	<10 U	
Isophorone		<1	<10 U	<10 U	<10 U	
2-Nitrophenol		<3	<10 U	<10 U	<10 U	
2,4-Dimethylphenol		<1	<10 U	<10 U	<10 U	
Benzoic acid		(0,3) J	--	--	--	
Bis(2-chloroethoxy) methane		<1	<10 U	<10 U	<10 U	
2,4-Dichlorophenol		--	<10 U	<10 U	<10 U	
1,2,4-Trichlorobenzene		<1#	<10 U	<10 U	<10 U	
Naphthalene		<1#	<10 U	<10 U	<10 U	
4-Chloroaniline		<17	<10 U	<10 U	<10 U	
Hexachlorobutadiene		<3#	<10 U	<10 U	<10 U	
4-Chloro-3-methylphenol		<7	<10 U	<10 U	<10 U	
2-Methylnaphthalene		<1	<10 U	<10 U	<10 U	
Hexachlorocyclopentadiene		<7	<10 U	<10 U	<10 U	
2,4,6-Trichlorophenol		<0.1#	<10 U	<10 U	<10 U	
2,4,5-Trichlorophenol		<0.2#	<26 U	<26 U	<26 U	
2-Chloronaphthalene		<1	<10 U	<10 U	<10 U	
2-Nitroaniline		<3	<26 U	<26 U	<26 U	
Dimethyl phthalate		<1	<10 U	<10 U	<10 U	
Acenaphthylene		<1	<10 U	<10 U	<10 U	
2,6-Dinitrotoluene		<3	<10 U	<10 U	<10 U	
3-Nitroaniline		<17 J	<26 U	<26 U	<26 U	

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#= Constituent in more than one test method, highest result reported. ()=Less than Detection Limit

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-02	D-02	D-02	D-02
	SAMPLE ID	EPA Sample	D-2	D-2	D-2
DATE	01/16/92	07/14/92	10/27/92	02/03/93	
Acenaphthene		(0.1) J	<10 U	<10 U	<10 U
2,4-Dinitrophenol		<17	<26 U	<26 U	<26 U
4-Nitrophenol		<8	<26 U	<26 U	<26 U
Dibenzofuran		<1	<10 U	<10 U	<10 U
2,4-Dinitrotoluene		<3	<10 U	<10 U	<10 U
Diethyl phthalate		<1	<10 U	<10 U	<10 U
4-Chlorophenyl phenyl ether		<1	<10 U	<10 U	<10 U
Fluorane		<1	<10 U	<10 U	<10 U
4-Nitroaniline		<17	<26 U	<26 U	<26 U
4,6-Dinitro-2-methylphenol		<17	<26 U	<26 U	<26 U
N-Nitrosodiphenylamine		<1	<10 U	<10 U	<10 U
4-Bromophenyl phenyl ether		<1	<10 U	<10 U	<10 U
Hexachlorobenzene		<1	<10 U	<10 U	<10 U
Pentachlorophenol		<0.03#	<26 U	<26 U	<26 U
Phenanthrene		<1	<10 U	<10 U	<10 U
Anthracene		<1	<10 U	<10 U	<10 U
Carbazole		<7 J	<10 U	<10 U	<10 U
Di-n-butyl phthalate		<1	<10 U	<10 U	<10 U
Fluoranthene		<1	<10 U	<10 U	<10 U
Pyrene		<1	<10 U	<10 U	<10 U
Butyl benzyl phthalate		<3	<10 U	<10 U	<10 U
3,3'-Dichlorobenzidine		<33	<10 U	<10 U	<10 U
Benzo(a)anthracene		<1	<10 U	<10 U	<10 U
Chrysene		<1	<10 U	<10 U	<10 U
bis(2-Ethylhexyl) phthalate		1 J	2 J	1 J	<10 U
Di-n-octyl phthalate		<1 J	<10 U	<10 U	<10 U
Benzo(b)fluoranthene		<1	<10 U	<10 U	<10 U
Benzo(k)fluoranthene		<1	<10 U	<10 U	<10 U
Benzo(a)pyrene		<1	<10 U	<10 U	<10 U
Indeno(1,2,3-cd)pyrene		<1	<10 U	<10 U	<10 U
Dibenzo(a,h)anthracene		<3	<10 U	<10 U	<10 U
Benzo(g,h,i)perylene		<1	<10 U	<10 U	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-02	D-02	D-02	D-03
	SAMPLE ID	D-2	D-2	D-2	D-3B
	DATE	05/12/93	07/15/93	10/20/93	05/28/90
Phenol		<12 U	<20 U	---	<10 U
bis(2-Chloroethyl) ether		<12 U	<20 U	---	<10 U
2-Chlorophenol		<12 U	<20 U	---	<10 U
1,3-Dichlorobenzene		<12# U	<10# U	<10 U	<10 U
1,4-Dichlorobenzene		<12# U	<10# U	<10 U	<10 U
Benzyl alcohol		---	---	---	<10 U
1,2-Dichlorobenzene		<12# U	<10# U	<10 U	<10 U
2-Methylphenol		<12 U	<20 U	---	<10 U
Bis(2-chloro-1-methylethyl) ether		<12 U	<20 U	---	<10 U
4-Methylphenol		<12 U	<20 U	---	<10 U
N-Nitrosodipropylamine		<12 U	<20 U	---	<10 U
Hexachloroethane		<12 U	<20 U	---	<10 U
Nitrobenzene		<12 U	<20 U	---	<10 U
Isophorone		<12 U	<20 U	---	<10 U
2-Nitrophenol		<12 U	<20 U	---	<10 U
2,4-Dimethylphenol		<12 U	<20 U	---	<10 U
Benzoic acid		---	---	---	120
Bis(2-chloroethoxy) methane		<12 U	<20 U	---	<10 U
2,4-Dichlorophenol		<12 U	<20 U	---	<10 U
1,2,4-Trichlorobenzene		<12 U	<20 U	---	<10 U
Naphthalene		<12 U	<20 U	---	<10 U
4-Chloroaniline		<12 U	<20 U	---	<10 U
Hexachlorobutadiene		<12 U	<20 U	---	<10 U
4-Chloro-3-methylphenol		<12 U	<20 U	---	<10 U
2-Methylnaphthalene		<12 U	<20 U	---	<10 U
Hexachlorocyclopentadiene		<12 U	<20 U	---	<10 U
2,4,6-Trichlorophenol		<12 U	<20 U	---	<10 U
2,4,5-Trichlorophenol		<30 U	<50 U	---	<51 U
2-Chloronaphthalene		<12 U	<20 U	---	<10 U
2-Nitroaniline		<30 U	<50 U	---	<51 U
Dimethyl phthalate		<12 U	<20 U	---	<10 U
Acenaphthylene		<12 U	<20 U	---	<10 U
2,6-Dinitrotoluene		<12 U	<20 U	---	<10 U
3-Nitroaniline		<30 U	<50 U	---	<51 U

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= Constituent in more than one test method, highest result reported.

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-02	D-02	D-02	D-03
	SAMPLE ID	D-2	D-2	D-2	D-3B
	DATE	05/12/93	07/15/93	10/20/93	05/28/90
Acenaphthene		< 12 U	< 20 U	---	< 10 U
2,4-Dinitrophenol		< 30 U	< 50 U	---	< 51 U
4-Nitrophenol		< 30 U	< 50 U	---	< 51 U
Dibenzofuran		< 12 U	< 20 U	---	< 10 U
2,4-Dinitrotoluene		< 12 U	< 20 U	---	< 10 U
Diethyl phthalate		< 12 U	< 20 U	---	< 10 U
4-Chlorophenyl phenyl ether		< 12 U	< 20 U	---	< 10 U
Fluorane		< 12 U	< 20 U	---	< 10 U
4-Nitroaniline		< 30 U	< 50 U	---	< 51 U
4,6-Dinitro-2-methylphenol		< 30 U	< 50 U	---	< 51 U
N-Nitrosodiphenylamine		< 12 U	< 20 U	---	< 10 U
4-Bromophenyl phenyl ether		< 12 U	< 20 U	---	< 10 U
Hexachlorobenzene		< 12 U	< 20 U	---	< 10 U
Pentachlorophenol		< 30 U	< 50 U	---	< 51 U
Phenanthrene		< 12 U	< 20 U	---	< 10 U
Anthracene		< 12 U	< 20 U	---	< 10 U
Carbazole		< 12 U	< 20 U	---	---
Di-n-butyl phthalate		< 12 U	< 20 U	---	< 10 U
Fluoranthene		< 12 U	< 20 U	---	< 10 U
Pyrene		< 12 U	< 20 U	---	< 10 U
Butyl benzyl phthalate		< 12 U	< 20 U	---	< 10 U
3,3'-Dichlorobenzidine		< 12 U	< 20 U	---	< 20 U
Benzo(a)anthracene		< 12 U	< 20 U	---	< 10 U
Chrysene		< 12 U	< 20 U	---	< 10 U
bis(2-Ethylhexyl) phthalate		(8) J	< 20 U	---	< 10 U
Di-n-octyl phthalate		< 12 U	< 20 U	---	< 10 U
Benzo(b)fluoranthene		< 12 U	< 20 U	---	< 10 U
Benzo(k)fluoranthene		< 12 U	< 20 U	---	< 10 U
Benzo(a)pyrene		< 12 U	< 20 U	---	< 10 U
Indenol(1,2,3-cd)pyrene		< 12 U	< 20 U	---	< 10 U
Dibenzo(a,h)anthracene		< 12 U	< 20 U	---	< 10 U
Benzo(g,h,i)perylene		< 12 U	< 20 U	---	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Detection Limit

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-03	D-03	D-03	D-03
	SAMPLE ID	ABERDEEN D-3	D-3	D-3	D-3 9-25 0930
	DATE	08/15/90	01/09/91	05/30/91	09/25/91
Phenol		<20 U	<10 U	<10 U	<11 U
bis(2-Chloroethyl) ether		<20 U	<10 U	<10 U	<11 U
2-Chlorophenol		<20 U	<10 U	<10 U	<11 U
1,3-Dichlorobenzene		<20 U	<10 U	<10 U	<11# U
1,4-Dichlorobenzene		<20 U	<10 U	<10 U	<11# U
Benzyl alcohol		<20 U	<10 U	<10 U	<11 U
1,2-Dichlorobenzene		<20 U	<10 U	<10 U	<11# U
2-Methylphenol		<20 U	<10 U	<10 U	<11 U
Bis(2-chloro-1-methylethyl) ether		<20 U	<10 U	<10 U	<11 U
4-Methylphenol		<20 U	<10 U	<10 U	<11 U
N-Nitrosodipropylamine		<20 U	<10 U	<10 U	<11 U
Hexachloroethane		<20 U	<10 U	<10 U	<11 U
Nitrobenzene		<20 U	<10 U	<10 U	<11 U
Isophorone		<20 U	<10 U	<10 U	<11 U
2-Nitrophenol		<20 U	<10 U	<10 U	<11 U
2,4-Dimethylphenol		<20 U	<10 U	<10 U	<11 U
Benzoic acid		<100 U	<50 U	<52 U	<56 U
Bis(2-chloroethoxy) methane		<20 U	<10 U	<10 U	<11 U
2,4-Dichlorophenol		<20 U	<10 U	<10 U	<11 U
1,2,4-Trichlorobenzene		<20 U	<10 U	<10 U	<11 U
Naphthalene		<20 U	<10 U	<10 U	<11 U
4-Chloroaniline		<20 U	<10 U	<10 U	<11 U
Hexachlorobutadiene		<20 U	<10 U	<10 U	<11 U
4-Chloro-3-methylphenol		<20 U	<10 U	<10 U	<11 U
2-Methylnaphthalene		<20 U	<10 U	<10 U	<11 U
Hexachlorocyclopentadiene		<20 U	<10 U	<10 U	<11 U
2,4,6-Trichlorophenol		<20 U	<10 U	<10 U	<11 U
2,4,5-Trichlorophenol		<100 U	<50 U	<52 U	<56 U
2-Chloronaphthalene		<20 U	<10 U	<10 U	<11 U
2-Nitroaniline		<100 U	<50 U	<52 U	<56 U
Dimethyl phthalate		<20 U	<10 U	<10 U	<11 U
Acenaphthylene		<20 U	<10 U	<10 U	<11 U
2,6-Dinitrotoluene		<20 U	<10 U	<10 U	<11 U
3-Nitroaniline		<100 U	<50 U	<52 U	<56 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit -- =Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL 8270

CONSTITUENT	SITE SAMPLE ID DATE	D-03	D-03	D-03	D-03
		ABERDEEN D-3 08/15/90	D-3 01/09/91	D-3 05/30/91	D-3 D-3 9-25 0930 09/25/91
Acenaphthene	(Units in ug/l)	<20 U	<10 U	<10 U	<11 U
2,4-Dinitrophenol		<100 U	<50 U	<52 U	<56 U
4-Nitrophenol		<100 U	<50 U	<52 U	<56 U
Dibenzofuran		<20 U	<10 U	<10 U	<11 U
2,4-Dinitrotoluene		<20 U	<10 U	<10 U	<11 U
Diethyl phthalate		<20 U	<10 U	<10 U	<11 U
4-Chlorophenyl phenyl ether		<20 U	<10 U	<10 U	<11 U
Fluorene		<20 U	<10 U	<10 U	<11 U
4-Nitroaniline		<100 U	<50 U	<52 U	<56 U
4,6-Dinitro-2-methylphenol		<100 U	<50 U	<52 U	<56 U
N-Nitrosodiphenylamine		<20 U	<10 U	<10 U	<11 U
4-Bromophenyl phenyl ether		<20 U	<10 U	<10 U	<11 U
Hexachlorobenzene		<20 U	<10 U	<10 U	<11 U
Pentachlorophenol		<100 U	<50 U	<52 U	<56 U
Phenanthrene		<20 U	<10 U	<10 U	<11 U
Anthracene		<20 U	<10 U	<10 U	<11 U
Carbazole		---	---	---	---
Di-n-butyl phthalate		<20 U	<10 U	<10 U	<11 U
Fluoranthene		<20 U	<10 U	<10 U	<11 U
Pyrene		<20 U	<10 U	<10 U	<11 U
Butyl benzyl phthalate		<20 U	<10 U	<10 U	<11 U
3,3'-Dichlorobenzidine		<40 U	<20 U	<21 U	<22 U
Benzo(a)anthracene		<20 U	<10 U	<10 U	<11 U
Chrysene		<20 U	<10 U	<10 U	<11 U
bis(2-Ethylhexyl) phthalate		<20 U	(4) J	<10 U	<11 U
Di-n-octyl phthalate		<20 U	<10 U	<10 U	<11 U
Benzo(b)fluoranthene		<20 U	<10 U	<10 U	<11 U
Benzo(k)fluoranthene		<20 U	<10 U	<10 U	<11 U
Benzo(a)pyrene		<20 U	<10 U	<10 U	<11 U
Indeno(1,2,3-cd)pyrene		<20 U	<10 U	<10 U	<11 U
Dibenzo(a,h)anthracene		<20 U	<10 U	<10 U	<11 U
Benzo(g,h,i)perylene		<20 U	<10 U	<10 U	<11 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Detection Limit

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-03	D-03	D-03	D-03
		SAMPLE ID	D-3	D-3	D-3	D-3
		DATE	07/14/92	10/27/92	02/03/93	05/12/93
Phenol			<11 U	<10 U	<11 U	<10 U
bis(2-Chloroethyl) ether			<11 U	<10 U	<11 U	<10 U
2-Chlorophenol			<11 U	<10 U	<11 U	<10 U
1,3-Dichlorobenzene			<11 U	<10 U	<11 U	<10# U
1,4-Dichlorobenzene			<11 U	<10 U	<11 U	<10# U
Benzyl alcohol			--	--	--	--
1,2-Dichlorobenzene			<11 U	<10 U	<11 U	<10# U
2-Methylphenol			<11 U	<10 U	<11 U	<10 U
Bis(2-chloro-1-methylethyl) ether			<11 U	<10 U	<11 U	<10 U
4-Methylphenol			<11 U	2 J	<11 U	<10 U
N-Nitrosodipropylamine			<11 U	<10 U	<11 U	<10 U
Hexachloroethane			<11 U	<10 U	<11 U	<10 U
Nitrobenzene			<11 U	<10 U	<11 U	<10 U
Isophorone			<11 U	<10 U	<11 U	<10 U
2-Nitrophenol			<11 U	<10 U	<11 U	<10 U
2,4-Dimethylphenol			<11 U	<10 U	<11 U	<10 U
Benzoic acid			--	--	--	--
Bis(2-chloroethoxy) methane			<11 U	<10 U	<11 U	<10 U
2,4-Dichlorophenol			<11 U	<10 U	<11 U	<10 U
1,2,4-Trichlorobenzene			<11 U	<10 U	<11 U	<10 U
Naphthalene			<11 U	<10 U	<11 U	<10 U
4-Chloroaniline			<11 U	<10 U	<11 U	<10 U
Hexachlorobutadiene			<11 U	<10 U	<11 U	<10 U
4-Chloro-3-methylphenol			<11 U	<10 U	<11 U	<10 U
2-Methylnaphthalene			<11 U	<10 U	<11 U	<10 U
Hexachlorocyclopentadiene			<11 U	<10 U	<11 U	<10 U
2,4,6-Trichlorophenol			<11 U	<10 U	<11 U	<10 U
2,4,5-Trichlorophenol			<26 U	<26 U	<28 U	<26 U
2-Chloronaphthalene			<11 U	<10 U	<11 U	<10 U
2-Nitroaniline			<26 U	<26 U	<28 U	<26 U
Dimethyl phthalate			<11 U	<10 U	<11 U	<10 U
Acenaphthylene			<11 U	<10 U	<11 U	<10 U
2,6-Dinitrotoluene			<11 U	<10 U	<11 U	<10 U
3-Nitroaniline			<26 U	6 J	<28 U	<26 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-03	D-03	D-03	D-03
	SAMPLE ID	D-3	D-3	D-3	D-3
DATE		07/14/92	10/27/92	02/03/93	05/12/93
Acenaphthene		<11 U	<10 U	<11 U	<10 U
2,4-Dinitrophenol		<26 U	<26 U	<28 U	<26 U
4-Nitrophenol		<26 U	<26 U	<28 U	<26 U
Dibenzofuran		<11 U	<10 U	<11 U	<10 U
2,4-Dinitrotoluene		<11 U	<10 U	<11 U	<10 U
Diethyl phthalate		<11 U	<10 U	<11 U	<10 U
4-Chlorophenyl phenyl ether		<11 U	<10 U	<11 U	<10 U
Fluorane		<11 U	<10 U	<11 U	<10 U
4-Nitroaniline		<26 U	<26 U	<28 U	<26 U
4,6-Dinitro-2-methylphenol		<26 U	<26 U	<28 U	<26 U
N-Nitrosodiphenylamine		<11 U	<10 U	<11 U	<10 U
4-Bromophenyl phenyl ether		<11 U	<10 U	<11 U	<10 U
Hexachlorobenzene		<11 U	<10 U	<11 U	<10 U
Pentachlorophenol		<26 U	<26 U	<28 U	<26 U
Phenanthrene		<11 U	<10 U	<11 U	<10 U
Anthracene		<11 U	<10 U	<11 U	<10 U
Carbazole		<11 U	<10 U	<11 U	<10 U
Di-n-butyl phthalate		<11 U	<10 U	<11 U	<10 U
Fluoranthene		<11 U	<10 U	<11 U	<10 U
Pyrene		<11 U	<10 U	<11 U	<10 U
Butyl benzyl phthalate		<11 U	<10 U	<11 U	<10 U
3,3'-Dichlorobenzidine		<11 U	<10 U	<11 U	<10 U
Benzo(a)anthracene		<11 U	<10 U	<11 U	<10 U
Chrysene		<11 U	<10 U	<11 U	<10 U
bis(2-Ethylhexyl) phthalate		<11 U	<10 U	<11 U	<10 U
Di-n-octyl phthalate		<11 U	<10 U	<11 U	<10 U
Benzo(b)fluoranthene		<11 U	<10 U	<11 U	<10 U
Benzo(k)fluoranthene		<11 U	<10 U	<11 U	<10 U
Benzo(a)pyrene		<11 U	<10 U	<11 U	<10 U
Indeno(1,2,3-cd)pyrene		<11 U	<10 U	<11 U	<10 U
Dibenzo(a,h)anthracene		<11 U	<10 U	<11 U	<10 U
Benzo(g,h,i)perylene		<11 U	<10 U	<11 U	<10 U

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For RCL 8270

CONSTITUENT	SITE SAMPLE ID DATE	D-03	D-03	D-04E	D-04E
		D-3 07/15/93	D-3 10/20/93	D-4 05/28/90	ABERDEEN D-4 08/15/90
Phenol		<20 U	---	<10 U	<20 U
bis(2-Chloroethyl) ether		<20 U	---	<10 U	<20 U
2-Chlorophenol		<20 U	---	<10 U	<20 U
1,3-Dichlorobenzene		<10# U	<10 U	<10 U	<20 U
1,4-Dichlorobenzene		<10# U	<10 U	<10 U	<20 U
Benzyl alcohol		---	---	<10 U	<20 U
1,2-Dichlorobenzene		<10# U	<10 U	<10 U	<20 U
2-Methylphenol		<20 U	---	<10 U	<20 U
Bis(2-chloro-1-methylethyl) ether		<20 U	---	<10 U	<20 U
4-Methylphenol		<20 U	---	5 J	79
N-Nitrosodipropylamine		<20 U	---	<10 U	<20 U
Hexachloroethane		<20 U	---	<10 U	<20 U
Nitrobenzene		<20 U	---	<10 U	<20 U
Isophorone		<20 U	---	<10 U	<20 U
2-Nitrophenol		<20 U	---	<10 U	<20 U
2,4-Dimethylphenol		<20 U	---	<10 U	<20 U
Benzoic acid		---	---	17 J	20 J
Bis(2-chloroethoxy) methane		<20 U	---	<10 U	<20 U
2,4-Dichlorophenol		<20 U	---	<10 U	<20 U
1,2,4-Trichlorobenzene		<20 U	---	<10 U	<20 U
Naphthalene		<20 U	---	2 J	<20 U
4-Chloroaniline		<20 U	---	<10 U	<20 U
Hexachlorobutadiene		<20 U	---	<10 U	<20 U
4-Chloro-3-methylphenol		<20 U	---	<10 U	<20 U
2-Methylnaphthalene		<20 U	---	<10 U	<20 U
Hexachlorocyclopentadiene		<20 U	---	<10 U	<20 U
2,4,6-Trichlorophenol		<20 U	---	<10 U	<20 U
2,4,5-Trichlorophenol		<50 U	---	8 J	5 J
2-Chloronaphthalene		<20 U	---	<10 U	<20 U
2-Nitroaniline		<50 U	---	<51 U	<100 U
Dimethyl phthalate		<20 U	---	<10 U	<20 U
Acenaphthylene		<20 U	---	<10 U	<20 U
2,6-Dinitrotoluene		<20 U	---	<10 U	<20 U
3-Nitroaniline		<50 U	---	<51 U	<100 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL 8270

CONSTITUENT	SITE SAMPLE ID DATE (Units in ug/l)	D-03	D-03	D-04E	D-04E
		D-3 07/15/93	D-3 10/20/93	D-4 05/28/90	ABERDEEN D-4 08/16/90
Acenaphthene		<20 U	---	<10 U	<20 U
2,4-Dinitrophenol		<50 U	---	<51 U	<100 U
4-Nitrophenol		<50 U	---	<51 U	<100 U
Dibenzofuran		<20 U	---	<10 U	<20 U
2,4-Dinitrotoluene		<20 U	---	<10 U	<20 U
Diethyl phthalate		<20 U	---	<10 U	<20 U
4-Chlorophenyl phenyl ether		<20 U	---	<10 U	<20 U
Fluorane		<20 U	---	<10 U	<20 U
4-Nitroaniline		<50 U	---	<51 U	<100 U
4,6-Dinitro-2-methylphenol		<50 U	---	5 J	<100 U
N-Nitrosodiphenylamine		<20 U	---	<10 U	<20 U
4-Bromophenyl phenyl ether		<20 U	---	<10 U	<20 U
Hexachlorobenzene		<20 U	---	<10 U	<20 U
Pentachlorophenol		<50 U	---	24 J	6 J
Phenanthrene		<20 U	---	<10 U	<20 U
Anthracene		<20 U	---	<10 U	<20 U
Carbazole		<20 U	---	---	---
Di-n-butyl phthalate		<20 U	---	<10 U	<20 U
Fluoranthene		<20 U	---	<10 U	<20 U
Pyrene		<20 U	---	<10 U	<20 U
Butyl benzyl phthalate		<20 U	---	<10 U	<20 U
3,3'-Dichlorobenzidine		<20 U	---	<20 U	<40 U
Benzo(a)anthracene		<20 U	---	<10 U	<20 U
Chrysene		<20 U	---	<10 U	<20 U
bis(2-Ethylhexyl) phthalate		<20 U	---	4 J	<20 U
Di-n-octyl phthalate		<20 U	---	<10 U	<20 U
Benzo(b)fluoranthene		<20 U	---	<10 U	<20 U
Benzo(k)fluoranthene		<20 U	---	<10 U	<20 U
Benzo(a)pyrene		<20 U	---	<10 U	<20 U
Indeno(1,2,3-cd)pyrene		<20 U	---	<10 U	<20 U
Dibenzo(a,h)anthracene		<20 U	---	<10 U	<20 U
Benzo(g,h,i)perylene		<20 U	---	<10 U	<20 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-04E	D-04E	D-04E	D-04E
		SAMPLE ID	D-4E	D4E-1010	D4E-926	EPA Sample
		DATE	01/09/91	06/30/91	09/25/91	01/16/92
Phenol			<10 U	<10 U	<10 U	<8
bis(2-Chloroethyl) ether			<10 U	<10 U	<10 U	<8
2-Chlorophenol			<10 U	<10 U	<10 U	<8
1,3-Dichlorobenzene			<10 U	<10 U	<10 U	<8#
1,4-Dichlorobenzene			<10 U	<10 U	<10 U	<8#
Benzyl alcohol			<10 U	<10 U	<10 U	<160
1,2-Dichlorobenzene			<10 U	<10 U	<10 U	<8#
2-Methylphenol			<10 U	<10 U	<10 U	<8
Bis(2-chloro-1-methylethyl) ether			<10 U	<10 U	<10 U	--
4-Methylphenol			<10 U	<10 U	<10 U	1 J
N-Nitrosodipropylamine			<10 U	<10 U	<10 U	<8 J
Hexachloroethane			<10 U	<10 U	<10 U	<8
Nitrobenzene			<10 U	<10 U	<10 U	<8
Isophorone			<10 U	<10 U	<10 U	<8
2-Nitrophenol			<10 U	<10 U	<10 U	<20
2,4-Dimethylphenol			<10 U	<10 U	<10 U	<8
Benzoic acid			<52 U	<50 U	<52 U	<98
Bis(2-chloroethoxy) methane			<10 U	<10 U	<10 U	<8
2,4-Dichlorophenol			<10 U	<10 U	<10 U	--
1,2,4-Trichlorobenzene			<10 U	<10 U	<10 U	<8#
Naphthalene			<10 U	<10 U	<10 U	2# J
4-Chloroaniline			<10 U	<10 U	<10 U	<98 J
Hexachlorobutadiene			<10 U	<10 U	<10 U	<20#
4-Chloro-3-methylphenol			<10 U	<10 U	<10 U	<39
2-Methylnaphthalene			<10 U	<10 U	<10 U	(0.3) J
Hexachlorocyclopentadiene			<10 U	<10 U	<10 U	<39
2,4,6-Trichlorophenol			<10 U	<10 U	<10 U	<0.12#
2,4,5-Trichlorophenol			<52 U	<50 U	<52 U	<0.24#
2-Chloronaphthalene			<10 U	<10 U	<10 U	<8
2-Nitroaniline			<52 U	<50 U	<52 U	<20 J
Dimethyl phthalate			<10 U	<10 U	<10 U	<8
Acenaphthylene			<10 U	<10 U	<10 U	<8
2,6-Dinitrotoluene			<10 U	<10 U	<10 U	<20
3-Nitroaniline			<52 U	<50 U	<52 U	<98 J

Values represent total concentrations unless noted < =Not detected at indicated reporting limit -- =Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-04E D-4E 01/09/91	D-04E D4E-1010 05/30/91	D-04E D4E-926 09/25/91	D-04E EPA Sample 01/16/92
Acenaphthene			<10 U	<10 U	<10 U	1 J
2,4-Dinitrophenol			<52 U	<50 U	<52 U	<98
4-Nitrophenol			<52 U	<50 U	<52 U	<49
Dibenzofuran			<10 U	<10 U	<10 U	<8
2,4-Dinitrotoluene			<10 U	<10 U	<10 U	<20
Diethyl phthalate			<10 U	<10 U	<10 U	<8
4-Chlorophenyl phenyl ether			<10 U	<10 U	<10 U	<8
Fluorane			<10 U	<10 U	<10 U	(0.5) J
4-Nitroaniline			<52 U	<50 U	<52 U	<98 J
4,6-Dinitro-2-methylphenol			<52 U	<50 U	<52 U	<98
N-Nitrosodiphenylamine			<10 U	<10 U	<10 U	<98 J
4-Bromophenyl phenyl ether			<10 U	<10 U	<10 U	<8
Hexachlorobenzene			<10 U	<10 U	<10 U	<8
Pentachlorophenol			<52 U	<50 U	<52 U	<0.063#
Phenanthrene			<10 U	<10 U	<10 U	<8
Anthracene			<10 U	<10 U	<10 U	<8
Carbazole			--	--	--	<39 J
Di-n-butyl phthalate			<10 U	<10 U	<10 U	<8
Fluoranthene			<10 U	<10 U	<10 U	<8
Pyrene			<10 U	<10 U	<10 U	<8
Butyl benzyl phthalate			<10 U	<10 U	<10 U	<20 J
3,3'-Dichlorobenzidine			<21 U	<20 U	<21 U	<200 J
Benzo(a)anthracene			<10 U	<10 U	<10 U	<8 J
Chrysene			<10 U	<10 U	<10 U	<8 J
bis(2-Ethylhexyl) phthalate			<10 U	(5) J	<10 U	<23 J
Di-n-octyl phthalate			<10 U	<10 U	<10 U	<8 J
Benzo(b)fluoranthene			<10 U	<10 U	<10 U	<8 J
Benzo(k)fluoranthene			<10 U	<10 U	<10 U	<8 J
Benzo(a)pyrene			<10 U	<10 U	<10 U	<8 J
Indeno(1,2,3-cd)pyrene			<10 U	<10 U	<10 U	<8 J
Dibenzo(a,h)anthracene			<10 U	<10 U	<10 U	<20 J
Benzo(g,h,i)perylene			<10 U	<10 U	<10 U	<8 J

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --=Not analyzed

=Constituent in more than one test method, highest result reported. () =Less than Detection Limit

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-04E D-4 07/14/92	D-04E D-4E 02/03/93	D-04E D-4 05/12/93	D-05 D-5 05/28/90
Phenol		---	---	---	22
Bis(2-Chloroethyl) ether		---	---	---	< 10 U
2-Chlorophenol		---	---	---	< 10 U
1,3-Dichlorobenzene		---	---	---	< 10 U
1,4-Dichlorobenzene		---	---	---	< 10 U
Benzyl alcohol		---	---	---	< 10 U
1,2-Dichlorobenzene		---	---	---	< 10 U
2-Methylphenol		---	---	---	< 10 U
Bis(2-chloro-1-methylethyl) ether		---	---	---	< 10 U
4-Methylphenol		---	---	---	9 J
N-Nitrosodipropylamine		---	---	---	< 10 U
Hexachloroethane		---	---	---	< 10 U
Nitrobenzene		---	---	---	< 10 U
Isophorone		---	---	---	< 10 U
2-Nitrophenol		---	---	---	< 10 U
2,4-Dimethylphenol		---	---	---	4 J
Benzoic acid		---	---	---	33 J
Bis(2-chloroethoxy) methane		---	---	---	< 10 U
2,4-Dichlorophenol		---	---	---	< 10 U
1,2,4-Trichlorobenzene		---	---	---	< 10 U
Naphthalene		---	---	---	7 J
4-Chloroaniline		---	---	---	< 10 U
Hexachlorobutadiene		---	---	---	< 10 U
4-Chloro-3-methylphenol		---	---	---	< 10 U
2-Methylnaphthalene		---	---	---	3 J
Hexachlorocyclopentadiene		---	---	---	< 10 U
2,4,6-Trichlorophenol		---	---	---	< 10 U
2,4,5-Trichlorophenol		---	---	---	190
2-Chloronaphthalene		---	---	---	< 10 U
2-Nitroaniline		---	---	---	< 51 U
Dimethyl phthalate		---	---	---	< 10 U
Acenaphthylene		---	---	---	< 10 U
2,6-Dinitrotoluene		---	---	---	< 10 U
3-Nitroaniline		---	---	---	< 51 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-04E	D-04E	D-04E	D-05
		SAMPLE ID	D-4	D-4E	D-4	D-5
		DATE	07/14/92	02/03/93	05/12/93	05/28/90
Acenaphthene			---	---	---	<10 U
2,4-Dinitrophenol			---	---	---	<51 U
4-Nitrophenol			---	---	---	<51 U
Dibenzofuran			---	---	---	<10 U
2,4-Dinitrotoluene			---	---	---	<10 U
Diethyl phthalate			---	---	---	<10 U
4-Chlorophenyl phenyl ether			---	---	---	<10 U
Fluorene			---	---	---	<10 U
4-Nitroaniline			---	---	---	<51 U
4,6-Dinitro-2-methylphenol			---	---	---	<51 U
N-Nitrosodiphenylamine			---	---	---	<10 U
4-Bromophenyl phenyl ether			---	---	---	<10 U
Hexachlorobenzene			---	---	---	<10 U
Pentachlorophenol			<1.0	<1.0	<10	5500
Phenanthrene			---	---	---	<10 U
Anthracene			---	---	---	<10 U
Carbazole			---	---	---	---
Di-n-butyl phthalate			---	---	---	<10 U
Fluoranthene			---	---	---	<10 U
Pyrene			---	---	---	<10 U
Butyl benzyl phthalate			---	---	---	<10 U
3,3'-Dichlorobenzidine			---	---	---	<20 U
Benzo(a)anthracene			---	---	---	<10 U
Chrysene			---	---	---	<10 U
bis(2-Ethylhexyl) phthalate			---	---	---	<10 U
Di-n-octyl phthalate			---	---	---	<10 U
Benzo(b)fluoranthene			---	---	---	<10 U
Benzo(k)fluoranthene			---	---	---	<10 U
Benzo(a)pyrene			---	---	---	<10 U
Indeno(1,2,3-cd)pyrene			---	---	---	<10 U
Dibenzo(a,h)anthracene			---	---	---	<10 U
Benzo(g,h,i)perylene			---	---	---	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit ---= Not analyzed

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-05	D-05	D-05	D-05
	SAMPLE ID DATE	ABERDEEN D-5 08/15/90	D-5 01/09/91	D5-1130 05/30/91	EPA Sample 01/16/92
Phenol		140	45	40	56
bis(2-Chloroethyl) ether		<20 U	<10 U	<10 U	<1
2-Chlorophenol		<20 U	<10 U	<10 U	<1
1,3-Dichlorobenzene		<20 U	<10 U	<10 U	<1#
1,4-Dichlorobenzene		<20 U	<10 U	<10 U	<1#
Benzyl alcohol		<20 U	<10 U	<10 U	<26
1,2-Dichlorobenzene		<20 U	<10 U	<10 U	<1#
2-Methylphenol		<20 U	21	<10 U	<1
Bis(2-chloro-1-methylethyl) ether		<20 U	<10 U	<10 U	---
4-Methylphenol		130	<10 U	23	12
N-Nitrosodipropylamine		<20 U	<10 U	<10 U	<1
Hexachloroethane		<20 U	<10 U	<10 U	<1
Nitrobenzene		<20 U	<10 U	<10 U	<1
Isophorone		<20 U	<10 U	<10 U	<1
2-Nitrophenol		<20 U	<10 U	<10 U	<3
2,4-Dimethylphenol		<20 U	<10 U	<10 U	<1
Benzoic acid		130	25 J	<52 U	<16
Bis(2-chloroethoxy) methane		<20 U	<10 U	<10 U	<1
2,4-Dichlorophenol		23	31	110	---
1,2,4-Trichlorobenzene		<20 U	<10 U	<10 U	<1#
Naphthalene		8 J	6 J	<10 U	4#
4-Chloroaniline		<20 U	<10 U	<10 U	<16
Hexachlorobutadiene		<20 U	<10 U	<10 U	<3#
4-Chloro-3-methylphenol		<20 U	<10 U	<10 U	<6
2-Methylnaphthalene		6 J	4 J	(3) J	3
Hexachlorocyclopentadiene		<20 U	<10 U	<10 U	<6
2,4,6-Trichlorophenol		8 J	5 J	<10 U	<960
2,4,5-Trichlorophenol		420	230	(270) DJ	<1900
2-Chloronaphthalene		<20 U	<10 U	<10 U	<1
2-Nitroaniline		<100 U	<52 U	<52 U	<3
Dimethyl phthalate		<20 U	<10 U	<10 U	<1
Acenaphthylene		<20 U	<10 U	<10 U	<1
2,6-Dinitrotoluene		<20 U	<10 U	<10 U	<3
3-Nitroaniline		<100 U	<52 U	<52 U	<16 J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-05	D-05	D-05	D-05
		SAMPLE ID	ABERDEEN D-5	D-5	D5-1130	EPA Sample
		DATE	06/15/90	01/09/91	05/30/91	01/16/92
Acenaphthene			<20 U	<10 U	<10 U	<1
2,4-Dinitrophenol			<100 U	<52 U	<52 U	<16
4-Nitrophenol			<100 U	<52 U	<52 U	<8
Dibenzofuran			<20 U	<10 U	<10 U	<1
2,4-Dinitrotoluene			<20 U	<10 U	<10 U	<3
Diethyl phthalate			<20 U	<10 U	<10 U	<1
4-Chlorophenyl phenyl ether			<20 U	<10 U	<10 U	<1
Fluorane			<20 U	<10 U	<10 U	<1
4-Nitroaniline			<100 U	<52 U	<52 U	<16
4,6-Dinitro-2-methylphenol			<100 U	<52 U	<52 U	<16
N-Nitrosodiphenylamine			<20 U	<10 U	<10 U	<16
4-Bromophenyl phenyl ether			<20 U	<10 U	<10 U	<1
Hexachlorobenzene			<20 U	<10 U	<10 U	<1
Pentachlorophenol			5800 E	8000 E	9900 D	2510#
Phenanthrene			<20 U	<10 U	<10 U	<1
Anthracene			<20 U	<10 U	<10 U	<1
Carbazole			--	--	--	<6 J
Di-n-butyl phthalate			<20 U	<10 U	<10 U	<1
Fluoranthene			<20 U	<10 U	<10 U	<1
Pyrene			<20 U	<10 U	<10 U	<1 J
Butyl benzyl phthalate			<20 U	<10 U	<10 U	<3 J
3,3'-Dichlorobenzidine			<40 U	<21 U	<21 U	<32 J
Benzo(a)anthracene			<20 U	<10 U	<10 U	<1 J
Chrysene			<20 U	<10 U	<10 U	<1 J
bis(2-Ethylhexyl) phthalate			<20 U	<10 U	<10 U	<2 J
Di-n-octyl phthalate			<20 U	<10 U	<10 U	<1 J
Benzo(b)fluoranthene			<20 U	<10 U	<10 U	<1 J
Benzo(k)fluoranthene			<20 U	<10 U	<10 U	<1 J
Benzo(a)pyrene			<20 U	<10 U	<10 U	<1 J
Indeno(1,2,3-cd)pyrene			<20 U	<10 U	<10 U	<1 J
Dibenzo(a,h)anthracene			<20 U	<10 U	<10 U	<3 J
Benzo(g,h,i)perylene			<20 U	<10 U	<10 U	<1 J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL 8270

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT (Units in ug/l)	SITE	D-05	D-05	D-05	D-06
	SAMPLE ID	D-5	D-5	D-5	D-6
	DATE	07/14/92	02/03/93	05/12/93	09/13/90
Phenol		---	---	---	< 10 U
bis(2-Chloroethyl) ether		---	---	---	< 10 U
2-Chlorophenol		---	---	---	< 10 U
1,3-Dichlorobenzene		---	---	---	< 10 U
1,4-Dichlorobenzene		---	---	---	< 10 U
Benzyl alcohol		---	---	---	< 10 U
1,2-Dichlorobenzene		---	---	---	< 10 U
2-Methylphenol		---	---	---	< 10 U
Bis(2-chloro-1-methylethyl) ether		---	---	---	< 10 U
4-Methylphenol		---	---	---	< 10 U
N-Nitrosodipropylamine		---	---	---	< 10 U
Hexachloroethane		---	---	---	< 10 U
Nitrobenzene		---	---	---	< 10 U
Isophorone		---	---	---	< 10 U
2-Nitrophenol		---	---	---	< 10 U
2,4-Dimethylphenol		---	---	---	< 10 U
Benzoic acid		---	---	---	< 51 U
Bis(2-chloroethoxy) methane		---	---	---	< 10 U
2,4-Dichlorophenol		---	---	---	< 10 U
1,2,4-Trichlorobenzene		---	---	---	< 10 U
Naphthalene		---	---	---	< 10 U
4-Chloroaniline		---	---	---	< 10 U
Hexachlorobutadiene		---	---	---	< 10 U
4-Chloro-3-methylphenol		---	---	---	< 10 U
2-Methylnaphthalene		---	---	---	< 10 U
Hexachlorocyclopentadiene		---	---	---	< 10 U
2,4,6-Trichlorophenol		---	---	---	< 10 U
2,4,5-Trichlorophenol		---	---	---	< 51 U
2-Chloronaphthalene		---	---	---	< 10 U
2-Nitroaniline		---	---	---	< 51 U
Dimethyl phthalate		---	---	---	< 10 U
Acenaphthylene		---	---	---	< 10 U
2,6-Dinitrotoluene		---	---	---	< 10 U
3-Nitroaniline		---	---	---	< 51 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-05	D-05	D-05	D-06
	SAMPLE ID	D-5	D-5	D-5	D-5
	DATE	07/14/92	02/03/93	05/12/93	09/13/90
Acenaphthene		---	---	---	<10 U
2,4-Dinitrophenol		---	---	---	<51 U
4-Nitrophenol		---	---	---	<51 U
Dibenzofuran		---	---	---	<10 U
2,4-Dinitrotoluene		---	---	---	<10 U
Diethyl phthalate		---	---	---	<10 U
4-Chlorophenyl phenyl ether		---	---	---	<10 U
Fluorene		---	---	---	<10 U
4-Nitroaniline		---	---	---	<51 U
4,6-Dinitro-2-methylphenol		---	---	---	<51 U
N-Nitrosodiphenylamine		---	---	---	<10 U
4-Bromophenyl phenyl ether		---	---	---	<10 U
Hexachlorobenzene		---	---	---	<10 U
Pentachlorophenol		3780	1300	2400	<51 U
Phenanthrene		---	---	---	<10 U
Anthracene		---	---	---	<10 U
Carbazole		---	---	---	--
Di-n-butyl phthalate		---	---	---	<10 U
Fluoranthene		---	---	---	<10 U
Pyrene		---	---	---	<10 U
Butyl benzyl phthalate		---	---	---	<10 U
3,3'-Dichlorobenzidine		---	---	---	<20 U
Benzo(a)anthracene		---	---	---	<10 U
Chrysene		---	---	---	<10 U
bis(2-Ethylhexyl) phthalate		---	---	---	<10 U
Di-n-octyl phthalate		---	---	---	<10 U
Benzo(b)fluoranthene		---	---	---	<10 U
Benzo(k)fluoranthene		---	---	---	<10 U
Benzo(a)pyrene		---	---	---	<10 U
Indeno(1,2,3-cd)pyrene		---	---	---	<10 U
Dibenzo(a,h)anthracene		---	---	---	<10 U
Benzo(g,h,i)perylene		---	---	---	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT	(Units in ug/l)	SITE	D-06	D-06	D-06	D-06
		SAMPLE ID	D-6	D6-1145	D6-925	EPA Sample
		DATE	01/09/91	05/30/91	09/25/91	01/16/92
Phenol			<10 U	<10 U	<10 U	<1
bis(2-Chloroethyl) ether			<10 U	<10 U	<10 U	<1
2-Chlorophenol			<10 U	<10 U	<10 U	<1
1,3-Dichlorobenzene			<10 U	<10 U	<10 U	<1#
1,4-Dichlorobenzene			<10 U	<10 U	<10 U	<1#
Benzyl alcohol			<10 U	<10 U	<10 U	<26 U
1,2-Dichlorobenzene			<10 U	<10 U	<10 U	<1#
2-Methylphenol			<10 U	<10 U	<10 U	<1
Bis(2-chloro-1-methylethyl) ether			<10 U	<10 U	<10 U	--
4-Methylphenol			<10 U	<10 U	<10 U	<1
N-Nitrosodipropylamine			<10 U	<10 U	<10 U	<1
Hexachloroethane			<10 U	<10 U	<10 U	<1
Nitrobenzene			<10 U	<10 U	<10 U	<1
Isophorone			<10 U	<10 U	<10 U	<1
2-Nitrophenol			<10 U	<10 U	<10 U	<3
2,4-Dimethylphenol			<10 U	<10 U	<10 U	<1
Benzoic acid			<52 U	<52 U	<51 U	<16
Bis(2-chloroethoxy) methane			<10 U	<10 U	<10 U	<1
2,4-Dichlorophenol			<10 U	<10 U	<10 U	--
1,2,4-Trichlorobenzene			<10 U	<10 U	<10 U	<1#
Naphthalene			<10 U	<10 U	<10 U	<1#
4-Chloroaniline			<10 U	<10 U	<10 U	<16
Hexachlorobutadiene			<10 U	<10 U	<10 U	<3#
4-Chloro-3-methylphenol			<10 U	<10 U	<10 U	<6
2-Methylnaphthalene			<10 U	<10 U	<10 U	<1
Hexachlorocyclopentadiene			<10 U	<10 U	<10 U	<6
2,4,6-Trichlorophenol			<10 U	<10 U	<10 U	<0.1#
2,4,5-Trichlorophenol			<52 U	<52 U	<51 U	<0.2#
2-Chloronaphthalene			<10 U	<10 U	<10 U	<1
2-Nitroaniline			<52 U	<52 U	<51 U	<3
Dimethyl phthalate			<10 U	<10 U	<10 U	<1
Acenaphthylene			<10 U	<10 U	<10 U	<1
2,6-Dinitrotoluene			<10 U	<10 U	<10 U	<3
3-Nitroaniline			<52 U	<52 U	<51 U	<16 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL 8270

CONSTITUENT	SITE SAMPLE ID DATE (Units in ug/l)	D-06	D-06	D-06	D-06
		D-6 01/09/91	D6-1145 05/30/91	D6-925 09/25/91	EPA Sample 01/16/92
Acenaphthene		<10 U	<10 U	<10 U	<1
2,4-Dinitrophenol		<52 U	<52 U	<51 U	<16
4-Nitrophenol		<52 U	<52 U	<51 U	<8 J
Dibenzofuran		<10 U	<10 U	<10 U	<1
2,4-Dinitrotoluene		<10 U	<10 U	<10 U	<3
Diethyl phthalate		<10 U	<10 U	<10 U	<1
4-Chlorophenyl phenyl ether		<10 U	<10 U	<10 U	<1
Fluorene		<10 U	<10 U	<10 U	<1
4-Nitroaniline		<52 U	<52 U	<51 U	<8 J
4,6-Dinitro-2-methylphenol		<52 U	<52 U	<51 U	<16
N-Nitrosodiphenylamine		<10 U	<10 U	<10 U	<1 J
4-Bromophenyl phenyl ether		<10 U	<10 U	<10 U	<1
Hexachlorobenzene		<10 U	<10 U	<10 U	<1
Pentachlorophenol		<52 U	<52 U	<51 U	<0.03#
Phenanthrene		<10 U	<10 U	<10 U	<1
Anthracene		<10 U	<10 U	<10 U	<1
Carbazole		--	--	--	<6 J
Di-n-butyl phthalate		<10 U	<10 U	<10 U	<1
Fluoranthene		<10 U	<10 U	<10 U	<1
Fyrane		<10 U	<10 U	<10 U	<1
Butyl benzyl phthalate		<10 U	<10 U	<10 U	<3
3,3'-Dichlorobenzidine		<21 U	<21 U	<20 U	<32 J
Benzo(a)anthracene		<10 U	<10 U	<10 U	<1
Chrysene		<10 U	<10 U	<10 U	<1
bis(2-Ethylhexyl) phthalate		<10 U	<10 U	<10 U	<10
Di-n-octyl phthalate		<10 U	<10 U	<10 U	<1 J
Benzo(b)fluoranthene		<10 U	<10 U	<10 U	<1 J
Benzo(k)fluoranthene		<10 U	<10 U	<10 U	<1 J
Benzo(a)pyrene		<10 U	<10 U	<10 U	<1 J
Indeno(1,2,3-cd)pyrene		<10 U	<10 U	<10 U	<1 J
Dibenzo(a,h)anthracene		<10 U	<10 U	<10 U	<3 J
Benzo(g,h,i)perylene		<10 U	<10 U	<10 U	<1 J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-06	D-06	D-06	D-07
		SAMPLE ID	D-6	D-6	D-6	D-7
		DATE	07/14/92	02/03/93	05/12/93	09/13/90
Phenol			---	---	---	740 E
bis(2-Chloroethyl) ether			---	---	---	<10 U
2-Chlorophenol			---	---	---	<10 U
1,3-Dichlorobenzene			---	---	---	<10 U
1,4-Dichlorobenzene			---	---	---	<10 U
Benzyl alcohol			---	---	---	<10 U
1,2-Dichlorobenzene			---	---	---	<10 U
2-Methylphenol			---	---	---	<10 U
Bis(2-chloro-1-methylethyl) ether			---	---	---	<10 U
4-Methylphenol			---	---	---	55
N-Nitrosodipropylamine			---	---	---	<10 U
Hexachloroethane			---	---	---	<10 U
Nitrobenzene			---	---	---	<10 U
Isophorone			---	---	---	<10 U
2-Nitrophenol			---	---	---	<10 U
2,4-Dimethylphenol			---	---	---	<10 U
Benzoic acid			---	---	---	<50 U
Bis(2-chloroethoxy) methane			---	---	---	<10 U
2,4-Dichlorophenol			---	---	---	<10 U
1,2,4-Trichlorobenzene			---	---	---	<10 U
Naphthalene			---	---	---	<10 U
4-Chloroaniline			---	---	---	<10 U
Hexachlorobutadiene			---	---	---	<10 U
4-Chloro-3-methylphenol			---	---	---	<10 U
2-Methylnaphthalene			---	---	---	<10 U
Hexachlorocyclopentadiene			---	---	---	<10 U
2,4,6-Trichlorophenol			---	---	---	<10 U
2,4,5-Trichlorophenol			---	---	---	<50 U
2-Chloronaphthalene			---	---	---	<10 U
2-Nitroaniline			---	---	---	<50 U
Dimethyl phthalate			---	---	---	<10 U
Acenaphthylene			---	---	---	<10 U
2,6-Dinitrotoluene			---	---	---	<10 U
3-Nitroaniline			---	---	---	<50 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT	SITE SAMPLE ID DATE	D-06	D-06	D-06	D-07
		D-6 07/14/92	D-6 02/03/93	D-6 05/12/93	D-7 09/13/90
Acenaphthene		---	---	---	< 10 U
2,4-Dinitrophenol		---	---	---	< 50 U
4-Nitrophenol		---	---	---	< 50 U
Dibenzofuran		---	---	---	< 10 U
2,4-Dinitrotoluene		---	---	---	< 10 U
Diethyl phthalate		---	---	---	< 10 U
4-Chlorophenyl phenyl ether		---	---	---	< 10 U
Fluorene		---	---	---	< 10 U
4-Nitroaniline		---	---	---	< 50 U
4,6-Dinitro-2-methylphenol		---	---	---	< 50 U
N-Nitrosodiphenylamine		---	---	---	< 10 U
4-Bromophenyl phenyl ether		---	---	---	< 10 U
Hexachlorobenzene		---	---	---	< 10 U
Pentachlorophenol		< 1.0	< 1.0	< 10	< 50 U
Phenanthrene		---	---	---	< 10 U
Anthracene		---	---	---	< 10 U
Carbazole		---	---	---	---
Di-n-butyl phthalate		---	---	---	< 10 U
Fluoranthene		---	---	---	< 10 U
Pyrene		---	---	---	< 10 U
Butyl benzyl phthalate		---	---	---	< 10 U
3,3'-Dichlorobenzidine		---	---	---	< 20 U
Benzo(a)anthracene		---	---	---	< 10 U
Chrysene		---	---	---	< 10 U
bis(2-Ethylhexyl) phthalate		---	---	---	< 10 U
Di-n-octyl phthalate		---	---	---	< 10 U
Benzo(b)fluoranthene		---	---	---	< 10 U
Benzo(k)fluoranthene		---	---	---	< 10 U
Benzo(a)pyrene		---	---	---	< 10 U
Indeno(1,2,3-cd)pyrene		---	---	---	< 10 U
Dibenzo(a,h)anthracene		---	---	---	< 10 U
Benzo(g,h,i)perylene		---	---	---	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-07	D-07	D-07	D-07
	SAMPLE ID	D7-1105	D7-925	EPA Sample	D-7
	DATE	05/30/91	09/25/91	01/16/92	07/14/92
Phenol		<11 U	<10 U	<7	---
bis(2-Chloroethyl) ether		<11 U	<10 U	<7	---
2-Chlorophenol		<11 U	<10 U	<7	---
1,3-Dichlorobenzene		<11 U	<10 U	<7#	---
1,4-Dichlorobenzene		<11 U	<10 U	<7#	---
Benzyl alcohol		<11 U	<10 U	<130 J	---
1,2-Dichlorobenzene		<11 U	<10 U	<7#	---
2-Methylphenol		<11 U	<10 U	<7	---
Bis(2-chloro-1-methylethyl) ether		<11 U	<10 U	---	---
4-Methylphenol		<11 U	<10 U	<7	---
N-Nitrosodipropylamine		<11 U	<10 U	<7 J	---
Hexachloroethane		<11 U	<10 U	<7	---
Nitrobenzene		<11 U	<10 U	<7	---
Isophorone		<11 U	<10 U	<7	---
2-Nitrophenol		<11 U	<10 U	<17	---
2,4-Dimethylphenol		<11 U	<10 U	<7	---
Benzoic acid		<54 U	<51 U	<83	---
Bis(2-chloroethoxy) methane		<11 U	<10 U	<7	---
2,4-Dichlorophenol		<11 U	<10 U	---	---
1,2,4-Trichlorobenzene		<11 U	<10 U	<7#	---
Naphthalene		<11 U	<10 U	<7#	---
4-Chloroaniline		<11 U	<10 U	<83 J	---
Hexachlorobutadiene		<11 U	<10 U	<17#	---
4-Chloro-3-methylphenol		<11 U	<10 U	<33	---
2-Methylnaphthalene		<11 U	<10 U	<7	---
Hexachlorocyclopentadiene		<11 U	<10 U	<33	---
2,4,6-Trichlorophenol		<11 U	<10 U	<0.09#	---
2,4,5-Trichlorophenol		<54 U	<51 U	<0.16#	---
2-Chloronaphthalene		<11 U	<10 U	<7	---
2-Nitroaniline		<54 U	<51 U	<17 J	---
Dimethyl phthalate		<11 U	<10 U	<7	---
Acenaphthylene		<11 U	<10 U	<7	---
2,6-Dinitrotoluene		<11 U	<10 U	<17	---
3-Nitroaniline		<54 U	<51 U	<83 J	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL 8270

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT	SITE SAMPLE ID DATE	D-07	D-07	D-07	D-07
		(Units in ug/l)	D7-1105 05/30/91	D7-925 09/25/91	EPA Sample 01/16/92
Acenaphthene		<11 U	<10 U	<7	---
2,4-Dinitrophenol		<54 U	<51 U	<83 J	---
4-Nitrophenol		<54 U	<51 U	<42	---
Dibenzofuran		<11 U	<10 U	<7	---
2,4-Dinitrotoluene		<11 U	<10 U	<17	---
Diethyl phthalate		<11 U	<10 U	<7	---
4-Chlorophenyl phenyl ether		<11 U	<10 U	<7	---
Fluorane		<11 U	<10 U	<7	---
4-Nitroaniline		<54 U	<51 U	<83	---
4,6-Dinitro-2-methylphenol		<54 U	<51 U	<83	---
N-Nitrosodiphenylamine		<11 U	<10 U	<83 J	---
4-Bromophenyl phenyl ether		<11 U	<10 U	<7	---
Hexachlorobenzene		<11 U	<10 U	<7	---
Pentachlorophenol		<54 U	<51 U	<0.04#	<1.0
Phenanthrene		<11 U	<10 U	<7	---
Anthracene		<11 U	<10 U	<7	---
Carbazole		--	<10 U	<33 J	---
Di-n-butyl phthalate		<11 U	<10 U	<7	---
Fluoranthene		<11 U	<10 U	<7	---
Pyrene		<11 U	<10 U	<7 J	---
Butyl benzyl phthalate		<11 U	<10 U	<17 J	---
3,3'-Dichlorobenzidine		<22 U	<20 U	<170 J	---
Benzo(a)anthracene		<11 U	<10 U	<7 J	---
Chrysene		<11 U	<10 U	<7 J	---
bis(2-Ethylhexyl) phthalate		<11 U	(5) J	<18 J	---
Di-n-octyl phthalate		<11 U	<10 U	<7 J	---
Benzo(b)fluoranthene		<11 U	<10 U	<7 J	---
Benzo(k)fluoranthene		<11 U	<10 U	<7 J	---
Benzo(a)pyrene		<11 U	<10 U	<7 J	---
Indeno(1,2,3-cd)pyrene		<11 U	<10 U	<7 J	---
Dibenzo(a,h)anthracene		<11 U	<10 U	<17 J	---
Benzo(g,h,i)perylene		<11 U	<10 U	<7 J	---

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-07	D-07	D-08	D-08
		SAMPLE ID	D-7	D-7	D-8	D-8
		DATE	02/03/93	05/12/93	09/13/90	01/09/91
Phenol			---	---	280	< 10 U
bis(2-Chloroethyl) ether			---	---	< 10 U	< 10 U
2-Chlorophenol			---	---	< 10 U	< 10 U
1,3-Dichlorobenzene			---	---	< 10 U	< 10 U
1,4-Dichlorobenzene			---	---	< 10 U	< 10 U
Benzyl alcohol			---	---	< 10 U	< 10 U
1,2-Dichlorobenzene			---	---	< 10 U	< 10 U
2-Methylphenol			---	---	< 10 U	< 10 U
Bis(2-chloro-1-methylethyl) ether			---	---	< 10 U	< 10 U
4-Methylphenol			---	---	54	< 10 U
N-Nitrosodipropylamine			---	---	< 10 U	< 10 U
Hexachloroethane			---	---	< 10 U	< 10 U
Nitrobenzene			---	---	< 10 U	< 10 U
Isophorone			---	---	< 10 U	< 10 U
2-Nitrophenol			---	---	< 10 U	< 10 U
2,4-Dimethylphenol			---	---	< 10 U	< 10 U
Benzoic acid			---	---	< 50 U	< 52 U
Bis(2-chloroethoxy) methane			---	---	< 10 U	< 10 U
2,4-Dichlorophenol			---	---	< 10 U	< 10 U
1,2,4-Trichlorobenzene			---	---	< 10 U	< 10 U
Naphthalene			---	---	< 10 U	< 10 U
4-Chloroaniline			---	---	< 10 U	< 10 U
Hexachlorobutadiene			---	---	< 10 U	< 10 U
4-Chloro-3-methylphenol			---	---	< 10 U	< 10 U
2-Methylnaphthalene			---	---	< 10 U	< 10 U
Hexachlorocyclopentadiene			---	---	< 10 U	< 10 U
2,4,6-Trichlorophenol			---	---	< 10 U	< 10 U
2,4,5-Trichlorophenol			---	---	< 50 U	< 52 U
2-Chloronaphthalene			---	---	< 10 U	< 10 U
2-Nitroaniline			---	---	< 50 U	< 52 U
Dimethyl phthalate			---	---	< 10 U	< 10 U
Acenaphthylene			---	---	< 10 U	< 10 U
2,6-Dinitrotoluene			---	---	< 10 U	< 10 U
3-Nitroaniline			---	---	< 50 U	< 52 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-07	D-07	D-08	D-08
		SAMPLE ID	D-7	D-7	D-8	D-8
		DATE	02/03/93	05/12/93	09/13/90	01/09/91
Acenaphthene			---	---	<10 U	<10 U
2,4-Dinitrophenol			---	---	<50 U	<52 U
4-Nitrophenol			---	---	<50 U	<52 U
Dibenzofuran			---	---	<10 U	<10 U
2,4-Dinitrotoluene			---	---	<10 U	<10 U
Diethyl phthalate			---	---	<10 U	<10 U
4-Chlorophenyl phenyl ether			---	---	<10 U	<10 U
Fluorane			---	---	<10 U	<10 U
4-Nitroaniline			---	---	<50 U	<52 U
4,6-Dinitro-2-methylphenol			---	---	<50 U	<52 U
N-Nitrosodiphenylamine			---	---	<10 U	<10 U
4-Bromophenyl phenyl ether			---	---	<10 U	<10 U
Hexachlorobenzene			---	---	<10 U	<10 U
Pentachlorophenol			<1.0	<10	<50 U	<52 U
Phenanthrene			---	---	<10 U	<10 U
Anthracene			---	---	<10 U	<10 U
Carbazole			---	---	---	---
Di-n-butyl phthalate			---	---	<10 U	<10 U
Fluoranthene			---	---	<10 U	<10 U
Pyrene			---	---	<10 U	<10 U
Butyl benzyl phthalate			---	---	<10 U	<10 U
3,3'-Dichlorobenzidine			---	---	<20 U	<21 U
Benzo(a)anthracene			---	---	<10 U	<10 U
Chrysene			---	---	<10 U	<10 U
bis(2-Ethylhexyl) phthalate			---	---	<10 U	<10 U
Di-n-octyl phthalate			---	---	<10 U	<10 U
Benzo(b)fluoranthene			---	---	<10 U	<10 U
Benzo(k)fluoranthene			---	---	<10 U	<10 U
Benzo(a)pyrene			---	---	<10 U	<10 U
Indeno(1,2,3-cd)pyrene			---	---	<10 U	<10 U
Dibenzo(a,h)anthracene			---	---	<10 U	<10 U
Benzo(g,h,i)perylene			---	---	<10 U	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

CONSTITUENT	SITE SAMPLE ID DATE (Units in ug/l)	D-08	D-08	D-08	D-08
		D8-1030 05/30/91	D8-925 09/25/91	EPA Sample 01/16/92	D-8 07/14/92
Phenol		<10 U	<10 U	<7	---
bis(2-Chloroethyl) ether		<10 U	<10 U	<7	---
2-Chlorophenol		<10 U	<10 U	<7	---
1,3-Dichlorobenzene		<10 U	<10 U	<7#	---
1,4-Dichlorobenzene		<10 U	<10 U	<7#	---
Benzyl alcohol		<10 U	<10 U	<130 J	---
1,2-Dichlorobenzene		<10 U	<10 U	<7#	---
2-Methylphenol		<10 U	<10 U	<7	---
Bis(2-chloro-1-methylethyl) ether		<10 U	<10 U	---	---
4-Methylphenol		<10 U	<10 U	<7	---
N-Nitrosodipropylamine		<10 U	<10 U	<7 J	---
Hexachloroethane		<10 U	<10 U	<7	---
Nitrobenzene		<10 U	<10 U	<7	---
Isophorone		<10 U	<10 U	<7	---
2-Nitrophenol		<10 U	<10 U	<16	---
4-Dimethylphenol		<10 U	<10 U	<7	---
Benzoic acid		<51 U	<52 U	<82	---
Bis(2-chloroethoxy) methane		<10 U	<10 U	<7	---
2,4-Dichlorophenol		<10 U	<10 U	---	---
1,2,4-Trichlorobenzene		<10 U	<10 U	<7#	---
Naphthalene		<10 U	<10 U	1# J	---
4-Chloroaniline		<10 U	<10 U	<82 J	---
Hexachlorobutadiene		<10 U	<10 U	<16#	---
4-Chloro-3-methylphenol		<10 U	<10 U	<33	---
2-Methylnaphthalene		<10 U	<10 U	(0.4) J	---
Hexachlorocyclopentadiene		<10 U	<10 U	<33	---
2,4,6-Trichlorophenol		<10 U	<10 U	<0.09#	---
2,4,5-Trichlorophenol		<51 U	<52 U	<0.17#	---
2-Chloronaphthalene		<10 U	<10 U	<7	---
2-Nitroaniline		<51 U	<52 U	<16 J	---
Dimethyl phthalate		<10 U	<10 U	<7	---
Acenaphthylene		<10 U	<10 U	<7	---
2,6-Dinitrotoluene		<10 U	<10 U	<16	---
3-Nitroaniline		<51 U	<52 U	<82 J	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-08	D-08	D-08	D-08
		SAMPLE ID	D8-1030	D8-925	EPA Sample	D-8
		DATE	05/30/91	09/25/91	01/16/92	07/14/92
Acenaphthene			<10 U	<10 U	<7	---
2,4-Dinitrophenol			<51 U	<52 U	<82 J	---
4-Nitrophenol			<51 U	<52 U	<41	---
Dibenzofuran			<10 U	<10 U	<7	---
2,4-Dinitrotoluene			<10 U	<10 U	<16	---
Diethyl phthalate			<10 U	<10 U	<7	---
4-Chlorophenyl phenyl ether			<10 U	<10 U	<7	---
Fluorane			<10 U	<10 U	<7	---
4-Nitroaniline			<51 U	<52 U	<82	---
4,6-Dinitro-2-methylphenol			<51 U	<52 U	<82	---
N-Nitrosodiphenylamine			<10 U	<10 U	<7 J	---
4-Bromophenyl phenyl ether			<10 U	<10 U	<7	---
Hexachlorobenzene			<10 U	<10 U	<7	---
Pentachlorophenol			<51 U	(3) J	(5) J	1.3
Phenanthrene			<10 U	<10 U	<7	---
Anthracene			---	<10 U	<7	---
Carbazole			<10 U	---	<33 J	---
Di-n-butyl phthalate			<10 U	<10 U	<7	---
Fluoranthene			<10 U	<10 U	<7	---
Pyrene			<10 U	<10 U	(0.5) J	---
Butyl benzyl phthalate			<10 U	<10 U	<16	---
3,3'-Dichlorobenzidine			<20 U	<21 U	<160	---
Benzo(a)anthracene			<10 U	<10 U	<7	---
Chrysene			<10 U	<10 U	<7	---
bis(2-Ethylhexyl) phthalate			<10 U	(5) J	<22	---
Di-n-octyl phthalate			<10 U	<10 U	<7 J	---
Benzo(b)fluoranthene			<10 U	<10 U	<7 J	---
Benzo(k)fluoranthene			<10 U	<10 U	<7 J	---
Benzo(a)pyrene			<10 U	<10 U	<7 J	---
Indeno(1,2,3-cd)pyrene			<10 U	<10 U	<7 J	---
Dibenzo(a,h)anthracene			<10 U	<10 U	<16	---
Benzo(g,h,i)perylene			<10 U	<10 U	<7 J	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL 8270

CONSTITUENT	SITE SAMPLE ID DATE	D-08	D-08	D-09	D-09
		D-8 02/03/93	D-8 05/12/93	D-9 09/13/90	D-9 01/09/91
Phenol		---	---	23	< 10 U
bis(2-Chloroethyl) ether		---	---	< 10 U	< 10 U
2-Chlorophenol		---	---	< 10 U	< 10 U
1,3-Dichlorobenzene		---	---	< 10 U	< 10 U
1,4-Dichlorobenzene		---	---	< 10 U	< 10 U
Benzyl alcohol		---	---	< 10 U	< 10 U
1,2-Dichlorobenzene		---	---	< 10 U	< 10 U
2-Methylphenol		---	---	5 J	< 10 U
Bis(2-chloro-1-methylethyl) ether		---	---	< 10 U	< 10 U
4-Methylphenol		---	---	< 10 U	< 10 U
N-Nitrosodipropylamine		---	---	< 10 U	< 10 U
Hexachlorocyclopentadiene		---	---	< 10 U	< 10 U
Nitrobenzene		---	---	< 10 U	< 10 U
Isophorone		---	---	< 10 U	< 10 U
2-Nitrophenol		---	---	< 10 U	< 10 U
2,4-Dimethylphenol		---	---	< 10 U	< 10 U
Benzoic acid		---	---	8 J	< 52 U
Bis(2-chloroethoxy) methane		---	---	< 10 U	< 10 U
2,4-Dichlorophenol		---	---	< 10 U	< 10 U
1,2,4-Trichlorobenzene		---	---	< 10 U	< 10 U
Naphthalene		---	---	23	15
4-Chloroaniline		---	---	< 10 U	< 10 U
Hexachlorobutadiene		---	---	< 10 U	< 10 U
4-Chloro-3-methylphenol		---	---	< 10 U	< 10 U
2-Methylnaphthalene		---	---	17	16
Hexachlorocyclopentadiene		---	---	< 10 U	< 10 U
2,4,6-Trichlorophenol		---	---	< 10 U	< 10 U
2,4,5-Trichlorophenol		---	---	< 51 U	< 52 U
2-Chloronaphthalene		---	---	< 10 U	< 10 U
2-Nitroaniline		---	---	< 51 U	< 52 U
Dimethyl phthalate		---	---	< 10 U	< 10 U
Acenaphthylene		---	---	< 10 U	< 10 U
2,6-Dinitrotoluene		---	---	< 10 U	< 10 U
3-Nitroaniline		---	---	< 51 U	< 52 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT	SITE SAMPLE ID DATE	D-08	D-08	D-09	D-09
		D-8 02/03/93	D-8 05/12/93	D-9 09/13/90	D-9 01/09/91
Acenaphthene		---	---	<10 U	<10 U
2,4-Dinitrophenol		---	---	<51 U	<52 U
4-Nitrophenol		---	---	<51 U	<52 U
Dibenzofuran		---	---	<10 U	<10 U
2,4-Dinitrotoluene		---	---	<10 U	<10 U
Diethyl phthalate		---	---	<10 U	<10 U
4-Chlorophenyl phenyl ether		---	---	<10 U	<10 U
Fluorene		---	---	<10 U	<10 U
4-Nitroaniline		---	---	<51 U	<52 U
4,6-Dinitro-2-methylphenol		---	---	<51 U	<52 U
N-Nitrosodiphenylamine		---	---	<10 U	<10 U
4-Bromophenyl phenyl ether		---	---	<10 U	<10 U
Hexachlorobenzene		---	---	<10 U	<10 U
Pentachlorophenol		<1.0	<10	<51 U	<52 U
Phenanthrene		---	---	<10 U	<10 U
Anthracene		---	---	<10 U	<10 U
Carbazole		---	---	---	---
Di-n-butyl phthalate		---	---	<10 U	<10 U
Fluoranthene		---	---	<10 U	<10 U
Pyrene		---	---	<10 U	<10 U
Butyl benzyl phthalate		---	---	<10 U	<10 U
3,3'-Dichlorobenzidine		---	---	<20 U	<21 U
Benzo(a)anthracene		---	---	<10 U	<10 U
Chrysene		---	---	<10 U	<10 U
bis(2-Ethylhexyl) phthalate		---	---	<10 U	<10 U
Di-n-octyl phthalate		---	---	<10 U	<10 U
Benzo(b)fluoranthene		---	---	<10 U	<10 U
Benzo(k)fluoranthene		---	---	<10 U	<10 U
Benzo(a)pyrene		---	---	<10 U	<10 U
Indeno(1,2,3-cd)pyrene		---	---	<10 U	<10 U
Dibenzo(a,h)anthracene		---	---	<10 U	<10 U
Benzo(g,h,i)perylene		---	---	<10 U	<10 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

For RCL 8270

CONSTITUENT	SITE SAMPLE ID DATE	D-09	D-09	D-09	D-09
		D9-0945 05/30/91	D9-925 09/25/91	D-9 07/14/92	D-9 02/03/93
Phenol		< 10 U	< 10 U	---	---
bis(2-Chloroethyl) ether		< 10 U	< 10 U	---	---
2-Chlorophenol		< 10 U	< 10 U	---	---
1,3-Dichlorobenzene		< 10 U	< 10 U	---	---
1,4-Dichlorobenzene		< 10 U	< 10 U	---	---
Benzyl alcohol		< 10 U	< 10 U	---	---
1,2-Dichlorobenzene		< 10 U	< 10 U	---	---
2-Methylphenol		< 10 U	< 10 U	---	---
Bis(2-chloro-1-methylethyl) ether		< 10 U	< 10 U	---	---
4-Methylphenol		< 10 U	< 10 U	---	---
N-Nitrosodipropylamine		< 10 U	< 10 U	---	---
Hexachloroethane		< 10 U	< 10 U	---	---
Nitrobenzene		< 10 U	(9) J	---	---
Isophorone		< 10 U	< 10 U	---	---
2-Nitrophenol		< 10 U	< 10 U	---	---
2,4-Dimethylphenol		< 10 U	< 10 U	---	---
Benzoic acid		< 52 U	< 51 U	---	---
Bis(2-chloroethoxy) methane		< 10 U	< 10 U	---	---
2,4-Dichlorophenol		< 10 U	< 10 U	---	---
1,2,4-Trichlorobenzene		< 10 U	< 10 U	---	---
Naphthalene		(9) J	(7) J	---	---
4-Chloroaniline		< 10 U	< 10 U	---	---
Hexachlorobutadiene		< 10 U	< 10 U	---	---
4-Chloro-3-methylphenol		< 10 U	< 10 U	---	---
2-Methylnaphthalene		(9) J	(9) J	---	---
Hexachlorocyclopentadiene		< 10 U	< 10 U	---	---
2,4,6-Trichlorophenol		< 10 U	< 10 U	---	---
2,4,5-Trichlorophenol		< 52 U	< 51 U	---	---
2-Chloronaphthalene		< 10 U	< 10 U	---	---
2-Nitroaniline		< 52 U	< 51 U	---	---
Dimethyl phthalate		< 10 U	< 10 U	---	---
Acenaphthylene		< 10 U	< 10 U	---	---
2,6-Dinitrotoluene		< 10 U	< 10 U	---	---
3-Nitroaniline		< 52 U	< 51 U	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(I) = Less than Detection Limit

For RCL 8270

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT	(Units in ug/l)	SITE	D-09	D-09	D-09	D-09
		SAMPLE ID	D9-0945	D9-925	D-9	D-9
		DATE	05/30/91	09/25/91	07/14/92	02/03/93
Acenaphthene			< 10 U	< 10 U	---	---
2,4-Dinitrophenol			< 52 U	< 51 U	---	---
4-Nitrophenol			< 52 U	< 51 U	---	---
Dibenzofuran			< 10 U	< 10 U	---	---
2,4-Dinitrotoluene			< 10 U	< 10 U	---	---
Diethyl phthalate			< 10 U	< 10 U	---	---
4-Chlorophenyl phenyl ether			< 10 U	< 10 U	---	---
Fluorane			< 10 U	< 10 U	---	---
4-Nitroaniline			< 52 U	< 51 U	---	---
4,6-Dinitro-2-methylphenol			< 52 U	< 51 U	---	---
N-Nitrosodiphenylamine			< 10 U	< 10 U	---	---
4-Bromophenyl phenyl ether			< 10 U	< 10 U	---	---
Hexachlorobenzene			< 10 U	< 10 U	---	---
Pentachlorophenol			< 52 U	< 51 U	< 1.0	< 1.0
Phenanthrene			< 10 U	< 10 U	---	---
Anthracene			< 10 U	< 10 U	---	---
Carbazole			---	---	---	---
Di-n-butyl phthalate			< 10 U	< 10 U	---	---
Fluoranthene			< 10 U	< 10 U	---	---
Pyrene			< 10 U	< 10 U	---	---
Butyl benzyl phthalate			< 10 U	< 10 U	---	---
3,3'-Dichlorobenzidine			< 21 U	< 20 U	---	---
Benzo(a)anthracene			< 10 U	< 10 U	---	---
Chrysene			< 10 U	< 10 U	---	---
bis(2-Ethylhexyl) phthalate			(4) J	< 10 U	---	---
Di-n-octyl phthalate			< 10 U	< 10 U	---	---
Benzo(b)fluoranthene			< 10 U	< 10 U	---	---
Benzo(k)fluoranthene			< 10 U	< 10 U	---	---
Benzo(a)pyrene			< 10 U	< 10 U	---	---
Indeno(1,2,3-cd)pyrene			< 10 U	< 10 U	---	---
Dibenzo(a,h)anthracene			< 10 U	< 10 U	---	---
Benzo(g,h,i)perylene			< 10 U	< 10 U	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(l) = Less than Detection Limit

For RCL 8270

CONSTITUENT (Units in ug/l)	SITE	D-09	PURGEWATER
	SAMPLE ID	D-9	DRUM SAMPLE
	DATE	05/12/93	05/25/90
Phenol		---	4 J
bis(2-Chloroethyl) ether		---	<10 U
2-Chlorophenol		---	<10 U
1,3-Dichlorobenzene		---	<10 U
1,4-Dichlorobenzene		---	<10 U
Benzyl alcohol		---	<10 U
1,2-Dichlorobenzene		---	<10 U
2-Methylphenol		---	<10 U
Bis(2-chloro-1-methylethyl) ether		---	<10 U
4-Methylphenol		---	2 J
N-Nitrosodipropylamine		---	<10 U
Hexachloroethane		---	<10 U
Nitrobenzene		---	<10 U
Isophorone		---	<10 U
2-Nitrophenol		---	<10 U
2,4-Dimethylphenol		---	<10 U
Benzoic acid		---	41 J
Bis(2-chloroethoxy) methane		---	<10 U
2,4-Dichlorophenol		---	<10 U
1,2,4-Trichlorobenzene		---	<10 U
Naphthalene		---	<10 U
4-Chloroaniline		---	<10 U
Hexachlorobutadiene		---	<10 U
4-Chloro-3-methylphenol		---	<10 U
2-Methylnaphthalene		---	<10 U
Hexachlorocyclopentadiene		---	<10 U
2,4,6-Trichlorophenol		---	<10 U
2,4,5-Trichlorophenol		---	18 J
2-Chloronaphthalene		---	<10 U
2-Nitroaniline		---	<52 U
Dimethyl phthalate		---	<10 U
Acenaphthylene		---	<10 U
2,6-Dinitrotoluene		---	<10 U
3-Nitroaniline		---	<52 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

CONSTITUENT	(Units in ug/l)	SITE	D-09	PURGEWATER
		SAMPLE ID	D-9	DRUM SAMPLE
		DATE	05/12/93	05/25/90
Acenaphthene			---	< 10 U
2,4-Dinitrophenol			---	< 62 U
4-Nitrophenol			---	< 62 U
Dibenzofuran			---	< 10 U
2,4-Dinitrotoluene			---	< 10 U
Diethyl phthalate			---	< 10 U
4-Chlorophenyl phenyl ether			---	< 10 U
Fluorane			---	< 10 U
4-Nitroaniline			---	< 62 U
4,6-Dinitro-2-methylphenol			---	< 62 U
N-Nitrosodiphenylamine			---	< 10 U
4-Bromophenyl phenyl ether			---	< 10 U
Hexachlorobenzene			---	< 10 U
Pentachlorophenol			< 10	850 E
Phenanthrene			---	< 10 U
Anthracene			---	< 10 U
Carbazole			---	---
Di-n-butyl phthalate			---	< 10 U
Fluoranthene			---	< 10 U
Pyrene			---	< 10 U
Butyl benzyl phthalate			---	< 10 U
3,3'-Dichlorobenzidine			---	< 21 U
Benzo(a)anthracene			---	< 10 U
Chrysene			---	< 10 U
bis(2-Ethylhexyl) phthalate			---	< 10 U
Di-n-octyl phthalate			---	< 10 U
Benzo(b)fluoranthene			---	< 10 U
Benzo(k)fluoranthene			---	< 10 U
Benzo(a)pyrene			---	< 10 U
Indeno(1,2,3-cd)pyrene			---	< 10 U
Dibenzo(a,h)anthracene			---	< 10 U
Benzo(g,h,i)perylene			---	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL 8270

Weyco Aberdeen

Date: 02/07/96

Dissolved Metals

CONSTITUENT (Units in ug/l)	SITE	D-04E	D-04E	D-04E	D-04E
	SAMPLE ID	D-4	D-4E	D-4E	D-4
	DATE	07/14/92	10/27/92	02/03/93	05/12/93
Aluminum (Dissolved)		<200	<200	<200	<200
Antimony (Dissolved)		<50	<50	<50	<50
Arsenic (Dissolved)		<3	<3	<3	<3
Barium (Dissolved)		<100	<100	<100	<100
Beryllium (Dissolved)		<10	<10	<10	<10
Bismuth (Dissolved)		<50	<50	<50	<50
Boron (Dissolved)		<500	<500	<500	<500
Cadmium (Dissolved)		<10	<10	<10	<10
Calcium (Dissolved)		11600	10400	14300	12000
Chromium (Dissolved)		<10	<10	<10	<10
Cobalt (Dissolved)		<10	<10	<10	<10
Copper (Dissolved)		<20	<20	<50	<50
Iron (Dissolved)		21900	19700	27000	24500
Lead (Dissolved)		<50	<50	<50	<50
Lithium (Dissolved)		<50	<50	<50	<50
Magnesium (Dissolved)		15600	14100	19400	15600
Manganese (Dissolved)		2160	2050	2780	2420
Mercury (Dissolved)		<0.2	<0.2	<0.2	<0.2
Molybdenum (Dissolved)		<10	<10	<10	<10
Nickel (Dissolved)		<30	<30	<30	<30
Phosphorus (Dissolved)		<200	<200	<200	<200
Potassium (Dissolved)		<5000	<5000	<10000	<10000
Selenium (Dissolved)		<200	<500	<500	<500
Silver (Dissolved)		<10	<10	<10	<10
Sodium (Dissolved)		70400	51800	75000	44000
Strontium (Dissolved)		129	107	150	100
Thallium (Dissolved)		<1000	<500	<500	<500
Tin (Dissolved)		<50	<50	<50	<50
Vanadium (Dissolved)		<10	<10	<10	<10
Zinc (Dissolved)		<20	<20	<20	<20

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL METALS-D

CONSTITUENT (Units in ug/l)	SITE	D-04E	D-05	D-05	D-05
	SAMPLE ID	D-4E	D-5	D-5	D-5
	DATE	07/15/93	07/14/92	10/27/92	02/03/93
Aluminum (Dissolved)		<200	<200	<200	<200
Antimony (Dissolved)		<50	<50	<50	<50
Arsenic (Dissolved)		<3	<3	<3	<3
Barium (Dissolved)		<100	<100	<100	<100
Beryllium (Dissolved)		<10	<10	<10	<10
Bismuth (Dissolved)		<50	<50	<50	<50
Boron (Dissolved)		<500	1020	985	800
Cadmium (Dissolved)		<10	<10	<10	<10
Calcium (Dissolved)		9500	19300	20600	24700
Chromium (Dissolved)		<10	<10	<10	<10
Cobalt (Dissolved)		<10	<10	<10	<10
Copper (Dissolved)		<50	<20	<20	<50
Iron (Dissolved)		18800	20900	20300	24000
Lead (Dissolved)		<50	<50	<50	<50
Lithium (Dissolved)		<50	1120	1240	1160
Magnesium (Dissolved)		11700	21900	27100	30300
Manganese (Dissolved)		1950	3480	3360	4080
Mercury (Dissolved)		<0.2	1.1	1.2	0.6
Molybdenum (Dissolved)		<10	<10	<10	<10
Nickel (Dissolved)		<30	<30	<30	<30
Phosphorus (Dissolved)		200	542	692	600
Potassium (Dissolved)		<10000	7850	8690	10000
Selenium (Dissolved)		<500	<200	<500	<500
Silver (Dissolved)		<10	<10	<10	<10
Sodium (Dissolved)		35000	142000	175000	185000
Strontium (Dissolved)		80	282	316	370
Thallium (Dissolved)		<500	<1000	<500	<500
Tin (Dissolved)		<50	<50	<50	<50
Vanadium (Dissolved)		<10	<10	<10	<10
Zinc (Dissolved)		<20	<20	<20	<20

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

For RCL METALS-D

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT (Units in ug/l)	SITE	D-05	D-05	D-06	D-06
	SAMPLE ID	D-5	D-5	D-6	D-6
	DATE	05/12/93	07/15/93	07/14/92	10/27/92
Aluminum (Dissolved)		<200	<200	<200	<200
Antimony (Dissolved)		<50	<50	<50	<50
Arsenic (Dissolved)		<3	<3	<3	<3
Barium (Dissolved)		<100	<100	188	352
Beryllium (Dissolved)		<10	<10	<10	<10
Bismuth (Dissolved)		<50	<50	<50	<50
Boron (Dissolved)		900	700	<500	<500
Cadmium (Dissolved)		<10	<10	<10	<10
Calcium (Dissolved)		25300	18500	51200	83000
Chromium (Dissolved)		<10	<10	<10	<10
Cobalt (Dissolved)		<10	<10	<10	<10
Copper (Dissolved)		<50	<50	<20	<20
Iron (Dissolved)		24000	18500	91600	164000
Lead (Dissolved)		<50	<50	<50	<50
Lithium (Dissolved)		1330	920	233	287
Magnesium (Dissolved)		32600	21200	57800	115000
Manganese (Dissolved)		3810	2990	9150	12100
Mercury (Dissolved)		0.7	0.7	<0.2	0.5
Molybdenum (Dissolved)		<10	<10	<10	<10
Nickel (Dissolved)		<30	<30	<30	<30
Phosphorus (Dissolved)		700	700	291	648
Potassium (Dissolved)		10000	<10000	14500	23900
Selenium (Dissolved)		<500	<500	<200	<500
Silver (Dissolved)		<10	<10	<10	<10
Sodium (Dissolved)		196000	134000	145000	235000
Strontium (Dissolved)		350	260	753	1360
Thallium (Dissolved)		<500	<500	<1000	<500
Tin (Dissolved)		<50	<50	<50	<50
Vanadium (Dissolved)		<10	<10	<10	12
Zinc (Dissolved)		<20	<20	<20	24

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

For RCL METALS-D

CONSTITUENT	(Units in ug/l)	SITE	D-06	D-06	D-06	D-07
		SAMPLE ID	D-6	D-6	D-6	D-7
		DATE	02/03/93	05/12/93	07/15/93	07/14/92
Aluminum (Dissolved)			<200	<200	<200	<200
Antimony (Dissolved)			<50	<50	<50	<50
Arsenic (Dissolved)			<3	<3	<3	<3
Barium (Dissolved)			400	400	400	<100
Beryllium (Dissolved)			<10	<10	<10	<10
Bismuth (Dissolved)			<50	<50	<50	<505
Boron (Dissolved)			<500	<500	<500	<500
Cadmium (Dissolved)			<10	<10	<10	<10
Calcium (Dissolved)			98900	90100	78600	30100
Chromium (Dissolved)			<10	<10	<10	<10
Cobalt (Dissolved)			<10	<10	<10	<10
Copper (Dissolved)			<50	<50	<50	<20
Iron (Dissolved)			183000	168000	138000	70200
Lead (Dissolved)			<50	<50	50	<50
Lithium (Dissolved)			330	350	350	<50
Magnesium (Dissolved)			131000	121000	98300	20700
Manganese (Dissolved)			15400	12300	10800	21200
Mercury (Dissolved)			<0.2	<0.2	<0.2	<0.2
Molybdenum (Dissolved)			<10	<10	<10	<10
Nickel (Dissolved)			<30	<30	<30	<30
Phosphorus (Dissolved)			500	700	500	<2000
Potassium (Dissolved)			30000	30000	30000	<5000
Selenium (Dissolved)			<500	<500	<500	<200
Silver (Dissolved)			<10	<10	<10	<10
Sodium (Dissolved)			372000	383000	411000	23200
Strontium (Dissolved)			1590	1360	1220	469
Thallium (Dissolved)			<500	<500	<500	<1000
Tin (Dissolved)			<50	<50	<50	<50
Vanadium (Dissolved)			30	<10	<10	<10
Zinc (Dissolved)			30	<20	<20	<20

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For RCL METALS-D

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT	SITE SAMPLE ID DATE	D-07	D-07	D-07	D-07
		D-7 10/27/92	D-7 02/03/93	D-7 05/12/93	D-7 07/15/93
Aluminum (Dissolved)		<200	<200	<200	<200
Antimony (Dissolved)		<50	<50	<50	<50
Arsenic (Dissolved)		<3	<3	<3	<3
Barium (Dissolved)		<100	<100	<100	<100
Beryllium (Dissolved)		<10	<10	<10	<10
Bismuth (Dissolved)		<50	<50	<50	<50
Boron (Dissolved)		<500	<500	<500	<500
Cadmium (Dissolved)		<10	<10	<10	<10
Calcium (Dissolved)		28200	31200	29900	30800
Chromium (Dissolved)		<10	<10	<10	<10
Cobalt (Dissolved)		<10	<10	<10	<10
Copper (Dissolved)		<20	<50	<50	<50
Iron (Dissolved)		68000	81400	76700	76300
Lead (Dissolved)		<50	<50	<50	<50
Lithium (Dissolved)		<50	<50	<50	<50
Magnesium (Dissolved)		20200	22200	21200	20100
Manganese (Dissolved)		19800	23200	20900	20900
Mercury (Dissolved)		<0.2	<0.2	<0.2	<0.2
Molybdenum (Dissolved)		<10	<10	<10	<10
Nickel (Dissolved)		<30	<30	<30	<30
Phosphorus (Dissolved)		235	<200	200	300
Potassium (Dissolved)		<5000	<10000	<10000	<10000
Selenium (Dissolved)		<500	<500	<500	<500
Silver (Dissolved)		<10	<10	<10	<10
Sodium (Dissolved)		25500	24000	24000	24000
Strontium (Dissolved)		471	470	430	450
Thallium (Dissolved)		<500	<500	<500	<500
Tin (Dissolved)		<50	<50	<50	<50
Vanadium (Dissolved)		<10	10	<10	<10
Zinc (Dissolved)		<20	<20	<20	<20

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

For RCL METALS-D

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-08	D-08	D-08	D-08
		D-8 07/14/92	D-8 10/27/92	D-8 02/03/93	D-8 05/12/93
Aluminum (Dissolved)		< 200	< 200	< 200	< 200
Antimony (Dissolved)		< 50	< 50	< 50	< 50
Arsenic (Dissolved)		< 3	< 3	< 3	< 3
Barium (Dissolved)		< 100	< 100	< 100	< 100
Beryllium (Dissolved)		< 10	< 10	< 10	< 10
Bismuth (Dissolved)		< 50	< 50	< 50	< 50
Boron (Dissolved)		< 500	< 500	< 500	< 500
Cadmium (Dissolved)		< 10	< 10	< 10	< 10
Calcium (Dissolved)		22900	18100	14200	14900
Chromium (Dissolved)		< 10	< 10	< 10	< 10
Cobalt (Dissolved)		< 10	< 10	< 10	< 10
Copper (Dissolved)		< 20	< 20	< 50	< 50
Iron (Dissolved)		37600	30600	23500	24600
Lead (Dissolved)		< 50	< 50	< 50	< 50
Lithium (Dissolved)		127	201	100	80
Magnesium (Dissolved)		10000	13800	8400	9000
Manganese (Dissolved)		3740	4010	3070	2910
Mercury (Dissolved)		< 0.2	0.2	< 0.2	< 0.2
Molybdenum (Dissolved)		< 10	< 10	< 10	< 10
Nickel (Dissolved)		< 30	< 30	< 30	< 30
Phosphorus (Dissolved)		< 200	367	200	200
Potassium (Dissolved)		< 5000	< 5000	< 10000	< 10000
Selenium (Dissolved)		< 200	< 500	< 500	< 500
Silver (Dissolved)		< 10	< 10	< 10	< 10
Sodium (Dissolved)		56400	64300	36000	35000
Strontium (Dissolved)		226	218	160	150
Thallium (Dissolved)		< 1000	< 500	< 500	< 500
Tin (Dissolved)		< 50	< 50	< 50	< 50
Vanadium (Dissolved)		< 10	< 10	< 10	< 10
Zinc (Dissolved)		< 20	< 20	< 20	< 20

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL METALS-D

CONSTITUENT (Units in ug/l)	SITE	D-08	D-09	D-09	D-09
	SAMPLE ID	D-8	D-9	D-9	D-9
	DATE	07/15/93	07/14/92	10/27/92	02/03/93
Aluminum (Dissolved)		<200	<200	<200	<200
Antimony (Dissolved)		<50	<50	<50	<50
Arsenic (Dissolved)		<3	<3	<3	<3
Barium (Dissolved)		<100	<100	<100	<100
Beryllium (Dissolved)		<10	<10	<10	<10
Bismuth (Dissolved)		<50	<50	<50	<50
Boron (Dissolved)		<500	<500	<500	<500
Cadmium (Dissolved)		<10	<10	<10	<10
Calcium (Dissolved)		23700	13700	15800	15200
Chromium (Dissolved)		<10	<10	<10	<10
Cobalt (Dissolved)		<10	<10	12	10
Copper (Dissolved)		<50	<20	<20	<50
Iron (Dissolved)		35300	33000	38700	35700
Lead (Dissolved)		<50	<50	<50	<50
Lithium (Dissolved)		110	<50	<50	<50
Magnesium (Dissolved)		10200	13700	16000	14500
Manganese (Dissolved)		3960	3640	4270	4230
Mercury (Dissolved)		<0.2	<0.2	<0.2	<0.2
Molybdenum (Dissolved)		<10	<10	<10	<10
Nickel (Dissolved)		<30	<30	<30	<30
Phosphorus (Dissolved)		400	394	511	400
Potassium (Dissolved)		<10000	<5000	<5000	<10000
Selenium (Dissolved)		<500	<50	<500	<500
Silver (Dissolved)		<10	<10	<10	<10
Sodium (Dissolved)		51000	52700	64000	69000
Strontium (Dissolved)		230	198	242	220
Thallium (Dissolved)		<500	<1000	<500	<500
Tin (Dissolved)		<50	<50	<50	<50
Vanadium (Dissolved)		<10	<10	<10	<10
Zinc (Dissolved)		<20	<20	<20	<20

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL METALS-D

CONSTITUENT (Units in ug/l)	SITE	D-09	D-09
	SAMPLE ID	D-9	D-9
	DATE	05/12/93	07/15/93
Aluminum (Dissolved)		<200	<200
Antimony (Dissolved)		<50	<50
Arsenic (Dissolved)		<3	<3
Barium (Dissolved)		<100	<100
Beryllium (Dissolved)		<10	<10
Bismuth (Dissolved)		<50	<50
Boron (Dissolved)		<500	<500
Cadmium (Dissolved)		<10	<10
Calcium (Dissolved)		12100	12100
Chromium (Dissolved)		<10	<10
Cobalt (Dissolved)		10	10
Copper (Dissolved)		<50	<50
Iron (Dissolved)		29600	31000
Lead (Dissolved)		<50	<50
Lithium (Dissolved)		<50	<50
Magnesium (Dissolved)		11000	9800
Manganese (Dissolved)		3340	3340
Mercury (Dissolved)		<0.2	<0.2
Molybdenum (Dissolved)		<10	<10
Nickel (Dissolved)		<30	<30
Phosphorus (Dissolved)		400	500
Potassium (Dissolved)		<10000	<10000
Selenium (Dissolved)		<500	<500
Silver (Dissolved)		<10	<10
Sodium (Dissolved)		41000	31000
Strontium (Dissolved)		160	170
Thallium (Dissolved)		<500	<500
Tin (Dissolved)		<50	<50
Vanadium (Dissolved)		<10	<10
Zinc (Dissolved)		<20	<20

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL METALS-D

Weyco Aberdeen

Date: 02/07/96

Total Metals

CONSTITUENT	(Units in ug/l)	SITE	D-01	D-02	D-04E	D-04E
		SAMPLE ID	EPA Sample	EPA Sample	EPA Sample	D-4
		DATE	01/16/92	01/16/92	01/16/92	07/14/92
Aluminum			121500	7360	94100	122000
Antimony			<1 N	<1 N	<1 N	<50
Arsenic			---	2.2	9.78	11
Barium			816	75.4	600	529
Beryllium			3.5	<1	3.2	<10
Bismuth			---	---	---	<50
Boron			---	---	---	<500
Cadmium			0.75	0.11	2.87	<10
Calcium			---	---	---	16200
Chromium			68.2	<5	54.3	58
Cobalt			36.7	21.5	41.8	51
Copper			203	17.1	104	97
Iron			120000	53400	81600	88200
Lead			21.8	2.3	42.9	66
Lithium			---	---	---	<50
Magnesium			26800	13000	24500	22700
Manganese			10720	8200	2920	2580
Mercury			0.167	<0.1	1.5	2.1
Molybdenum			---	---	---	<10
Nickel			50	<10	31	40
Phosphorus			---	---	---	2240
Potassium			5540	2000	7830	7360
Selenium			<2	<2	<2	<200
Silver			---	---	---	<10
Sodium			60560	32500	67400	69800
Strontium			---	---	---	209
Thallium			<2.5 NE	<2.5 NE	<2.5 NE	<1000
Tin			---	---	---	<50
Vanadium			303	15.6	205	222
Zinc			153	27.5	182	172

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL METALS-T

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT	(Units in ug/l)	SITE	D-04E	D-04E	D-04E	D-04E
		SAMPLE ID	D-4E	D-4E	D-4	D-4E
		DATE	10/27/92	02/03/93	05/12/93	07/15/93
Aluminum			42500	26600	13200	15200
Antimony			<50	<50	<50	<50
Arsenic			3	<3	<3	<3
Barium			217	100	<100	<100
Beryllium			<10	<10	<10	<10
Bismuth			<50	<50	<50	<50
Boron			<500	<500	<500	<500
Cadmium			<10	<10	<10	<10
Calcium			12100	15600	11900	10500
Chromium			22	<10	<10	10
Cobalt			19	<10	<10	<10
Copper			36	<20	<20	<20
Iron			41600	39900	30300	27000
Lead			<50	<50	<50	<50
Lithium			<50	<50	<50	<50
Magnesium			16600	21300	15900	12700
Manganese			2280	2850	2400	2050
Mercury			0.5	0.3	<0.2	<0.2
Molybdenum			<10	<10	<10	<10
Nickel			<30	<30	<30	<30
Phosphorus			950	500	500	500
Potassium			<5000	<10000	<10000	<10000
Selenium			<500	<500	<500	<500
Silver			<10	<10	<10	<10
Sodium			53100	81000	43000	36000
Strontium			144	170	110	90
Thallium			<500	<500	<500	<500
Tin			<50	<50	<50	<50
Vanadium			81	50	30	30
Zinc			63	40	20	20

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL METALS-T

CONSTITUENT	SITE SAMPLE ID DATE (Units in ug/l)	D-05	D-05	D-05	D-05
		EPA Sample 01/16/92	D-5 07/14/92	D-5 10/27/92	D-5 02/03/93
Aluminum		22810	23800	3750	19200
Antimony		<1 N	<50	<50	<50
Arsenic		4	4	<3	<3
Barium		167	147	<100	200
Beryllium		<1.0	<10	<10	<10
Bismuth		---	<50	<50	<50
Boron		---	1260	1010	800
Cadmium		0.28#	<10	<10	<10
Calcium		---	22300	21300	27000
Chromium		22.3	20	<10	10
Cobalt		15.2	15	<10	10
Copper		77.3	60	<20	50
Iron		41000	40200	24200	39700
Lead		112	<50	<50	<50
Lithium		---	1340	1270	1190
Magnesium		24900	27400	28200	33500
Manganese		3830	3540	3440	4470
Mercury		16.9	16	5.2	10.6
Molybdenum		---	<10	<10	<10
Nickel		26	<30	<30	<30
Phosphorus		---	1300	843	1100
Potassium		8970	9640	9440	10000
Selenium		<2	<200	<500	<500
Silver		---	<10	<10	<10
Sodium		123500	159000	177000	187000
Strontium		---	324	327	410
Thallium		<2.5 NE	<1000	<500	<500
Tin		---	<50	<50	<50
Vanadium		67.5	67	15	60
Zinc		87.2	76	24	60

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL METALS-T

CONSTITUENT	(Units in ug/l)	SITE	D-05	D-05	D-06	D-06
		SAMPLE ID	D-5	D-5	D-6	EPA Sample
		DATE	05/12/93	07/15/93	01/16/92	01/16/92
Aluminum			2200	20700	58300	70600
Antimony			<50	<50	<20.0 N	<1 N
Arsenic			<3	<3	<1.0 N	3.8
Barium			<100	100	560	563
Beryllium			<10	<10	<1.0	1.9
Bismuth			<50	<50	---	---
Boron			1000	800	---	---
Cadmium			<10	<10	12.9 N*	1.39
Calcium			25400	20000	70200 E	---
Chromium			<10	20	49.8	38.9
Cobalt			<10	10	18.1	22.4
Copper			<20	<20	145	138
Iron			25900	33200	162000 E	171000
Lead			<50	<50	18.2 NS	16.9
Lithium			1500	950	---	---
Magnesium			34200	23500	89400	79100
Manganese			3810	3170	10800 E	12500
Mercury			2.3	8.9	0.33	0.221
Molybdenum			<10	<10	---	---
Nickel			<30	<30	(20.0)	34
Phosphorus			1000	1100	---	---
Potassium			10000	<10000	19800	15900
Selenium			<500	<500	(2.0) NW	<2
Silver			<10	<10	(3.0)	---
Sodium			206000	135000	184000	159600
Strontium			380	280	---	---
Thallium			<500	<500	(1.0)	<2.5 NE
Tin			<50	<50	---	---
Vanadium			<10	50	204 E	171
Zinc			<20	50	91.0	108

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Detection Limit

For RCL METALS-T

CONSTITUENT	SITE SAMPLE ID DATE (Units in ug/l)	D-06	D-06	D-06	D-06
		D-6 07/14/92	D-6 10/27/92	D-6 02/03/93	D-6 05/12/93
Aluminum		105000	26800	59800	10300
Antimony		<50	<50	<50	<50
Arsenic		5	<30	<3	<3
Barium		585	460	700	400
Beryllium		<10	<10	<10	<10
Bismuth		<50	<50	<50	<50
Boron		504	<500	<500	<500
Cadmium		<10	<10	<10	<10
Calcium		55500	83000	105000	82100
Chromium		56	<10	40	<10
Cobalt		29	12	20	<10
Copper		186	50	100	<20
Iron		150000	176000	225000	161000
Lead		72	<50	50	<50
Lithium		317	319	380	330
Magnesium		64600	116000	141000	119000
Manganese		9250	12100	15500	12000
Mercury		0.4	<0.2	<0.2	<0.2
Molybdenum		<10	<10	<10	<10
Nickel		42	<30	40	<30
Phosphorus		2120	1220	1600	900
Potassium		17800	24700	30000	20000
Selenium		<200	<500	<500	<500
Silver		<10	<10	<10	<10
Sodium		152000	234000	388000	340000
Strontium		851	1360	1580	1300
Thallium		<1000	<500	<500	<500
Tin		<50	<50	<50	<50
Vanadium		261	86	180	30
Zinc		121	50	110	<20

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

For RCL METALS-T

CONSTITUENT	(Units in ug/l)	SITE	D-06	D-07	D-07	D-07
		SAMPLE ID	D-6	EPA Sample	D-7	D-7
		DATE	07/15/93	01/16/92	07/14/92	10/27/92
Aluminum			24800	263000	231000	39300
Antimony			<50	<1 N	<50	<50
Arsenic			<3	11.8	17	3
Barium			500	1560	1120	233
Beryllium			<10	6.8	<10	<10
Bismuth			<50	---	<50	<50
Boron			<500	---	<500	<500
Cadmium			<10	1.74	<10	<10
Calcium			75500	---	37900	30200
Chromium			20	136	108	18
Cobalt			10	63	70	15
Copper			<20	386	283	52
Iron			141000	219000	185000	89100
Lead			70	25.4	117	<50
Lithium			370	---	<50	<50
Magnesium			93200	30700	30100	21200
Manganese			10600	31700	25700	21900
Mercury			<0.2	10.2	6.9	1.5
Molybdenum			<10	---	<10	<10
Nickel			<30	115	116	<30
Phosphorus			1000	---	5440	1190
Potassium			30000	3730	<5000	<5000
Selenium			<500	<2	<200	<500
Silver			<10	---	14	<10
Sodium			419000	18400	26500	23300
Strontium			1180	---	727	523
Thallium			<500	<2.5 NE	<1000	<500
Tin			<50	---	<50	<50
Vanadium			60	499	481	90
Zinc			30	317	220	48

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL METALS-T

CONSTITUENT	(Units in ug/l)	SITE	D-07	D-07	D-07	D-08
		SAMPLE ID	D-7	D-7	D-7	EPA Sample
		DATE	02/03/93	05/12/93	07/15/93	01/16/92
Aluminum			153000	58300	22200	18000
Antimony			<50	<50	<50	<1 N
Arsenic			<3	3	<3	2.9
Barium			700	300	100	105
Beryllium			<10	<10	<10	<1
Bismuth			<50	<50	<50	---
Boron			<500	<500	<500	---
Cadmium			<10	<10	<10	0.36
Calcium			35100	28400	31100	---
Chromium			90	30	20	19
Cobalt			30	20	<10	12
Copper			190	70	<20	43
Iron			153000	96600	86500	39600
Lead			70	<50	<50	24.3
Lithium			<50	<50	<50	---
Magnesium			25500	19700	20400	11100
Manganese			26200	19500	21300	2990
Mercury			4.0	1.7	0.6	0.792
Molybdenum			<10	<10	<10	---
Nickel			70	<30	<30	13
Phosphorus			3600	1600	700	---
Potassium			<10000	<10000	<10000	4400
Selenium			<500	<500	<500	<2
Silver			<10	<10	<10	---
Sodium			20000	18000	22000	40400
Strontium			610	460	470	---
Thallium			<500	<500	<500	<2.5 NE
Tin			<50	<50	<50	---
Venadium			330	120	40	50.5
Zinc			170	60	<20	181

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL METALS-T

CONSTITUENT	(Units in ug/l)	SITE	D-08	D-08	D-08	D-08
		SAMPLE ID	D-8	D-8	D-8	D-8
		DATE	07/14/92	10/27/92	02/03/93	05/12/93
Aluminum			49700	3960	8300	4000
Antimony			<50	<50	<50	<50
Arsenic			6	<3	<3	<3
Barium			290	<100	<100	<100
Beryllium			<10	<10	<10	<10
Bismuth			<50	<50	<50	<50
Boron			<500	<500	<500	<500
Cadmium			<10	<10	<10	<10
Calcium			33700	18500	18400	15400
Chromium			49	<10	<10	<10
Cobalt			27	<10	<10	<10
Copper			119	<20	<20	<20
Iron			95700	34400	33500	29300
Lead			120	<50	<50	<50
Lithium			155	205	110	80
Magnesium			19900	14600	10000	9300
Manganese			4610	3950	3080	2780
Mercury			2.8	0.3	0.4	<0.2
Molybdenum			<10	<10	<10	<10
Nickel			37	<30	<30	<30
Phosphorus			2760	548	600	500
Potassium			5230	<5000	<10000	<10000
Selenium			<200	<500	<500	<500
Silver			<10	<10	<10	<10
Sodium			57700	65100	37000	33000
Strontium			324	224	180	160
Thallium			<1000	<500	<500	<500
Tin			<50	<50	<50	<50
Vanadium			150	13	30	10
Zinc			586	53	110	60

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

For RCL METALS-T

CONSTITUENT	SITE SAMPLE ID DATE (Units in ug/l)	D-08	D-09	D-09	D-09
		D-8 07/15/93	D-9 07/14/92	D-9 10/27/92	D-9 02/03/93
Aluminum		3700	24700	4580	6900
Antimony		<50	<50	<50	<50
Arsenic		<3	8	<3	<3
Barium		<100	135	<100	<100
Beryllium		<10	<10	<10	<10
Bismuth		<50	<50	<50	<50
Boron		<500	<500	<500	<500
Cadmium		<10	<10	<10	<10
Calcium		23300	18000	16400	16600
Chromium		10	24	<10	<10
Cobalt		<10	37	16	20
Copper		<20	71	<20	20
Iron		38800	66100	45200	46300
Lead		<50	104	<50	<50
Lithium		120	<50	<50	<50
Magnesium		11100	17200	17300	16500
Manganese		3800	4300	4190	4430
Mercury		1.6	42.3	10.5	11.7
Molybdenum		<10	<10	<10	<10
Nickel		<30	<30	<30	<30
Phosphorus		500	1330	762	800
Potassium		<10000	<5000	<5000	<10000
Selenium		<500	<50	<500	<500
Silver		<10	<10	<10	<10
Sodium		<1000	42700	66300	76000
Strontium		230	258	251	250
Thallium		<500	<1000	<500	<500
Tin		<50	<50	<50	<50
Vanadium		20	82	20	30
Zinc		60	135	40	60

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL METALS-T

CONSTITUENT (Units in ug/l)	SITE	D-09	D-09
	SAMPLE ID	D-9	D-9
	DATE	05/12/93	07/15/93
Aluminum		1600	3500
Antimony		<50	<50
Arsenic		<3	<3
Barium		<100	<100
Beryllium		<10	<10
Bismuth		<50	<50
Boron		<500	<500
Cadmium		<10	<10
Calcium		11900	12900
Chromium		<10	<10
Cobalt		10	10
Copper		<20	<20
Iron		31900	37000
Lead		<50	<50
Lithium		<50	<50
Magnesium		10800	10300
Manganese		3360	3650
Mercury		3.2	4.7
Molybdenum		<10	<10
Nickel		<30	<30
Phosphorus		500	700
Potassium		<10000	<10000
Selenium		<500	<500
Silver		<10	<10
Sodium		39000	30000
Strontium		170	190
Thallium		<500	<500
Tin		<50	<50
Vanadium		<10	10
Zinc		<20	<20

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL METALS-T

Weyco Aberdeen

Date: 02/07/96

Pesticides

CONSTITUENT	(Units in ug/l)	SITE	D-01	D-02	D-04E	D-05
		SAMPLE ID	EPA Sample	EPA Sample	EPA Sample	EPA Sample
		DATE	01/16/92	01/16/92	01/16/92	01/16/92
alpha-BHC			---	---	---	---
beta-BHC			---	---	---	---
delta-BHC			---	---	---	---
Lindane			---	---	---	---
Heptachlor			---	---	---	---
Aldrin			---	---	---	---
Heptachlor epoxide			---	---	---	---
Endosulfan I			---	---	---	---
Dieldrin			---	---	---	---
4,4'-DDE			---	---	---	---
Endrin			---	---	---	---
Endosulfan II			---	---	---	---
4,4'-DDD			---	---	---	---
Endosulfan sulfate			---	---	---	---
4,4'-DDT			---	---	---	---
Methoxychlor			---	---	---	---
Endrin ketone			---	---	---	---
Endrin aldehyde			---	---	---	---
alpha-Chlordane			---	---	---	---
gamma-Chlordane			---	---	---	---
Toxaphene			---	---	---	---
Aroclor 1016			<0.14	<0.13	<0.23	<0.32
Aroclor 1221			<0.14	<0.13	<0.23	<0.32
Aroclor 1232			<0.28	<0.26	<0.46	<0.64
Aroclor 1242			<0.14	<0.13	<0.23	<0.32
Aroclor 1248			<0.14	<0.13	<0.23	<0.32
Aroclor 1254			<0.14	<0.13	<0.23	<0.32
Aroclor 1260			<0.14	<0.13	<0.23	<0.32

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PEST

CONSTITUENT	(Units in ug/l)	SITE	D-05	D-06	D-06	D-07
		SAMPLE ID	D-5 WEY AB	D-6	EPA Sample	EPA Sample
		DATE	01/16/92	01/16/92	01/16/92	01/16/92
alpha-BHC			<0.10 U	<0.10 U	---	---
beta-BHC			<0.10 U	<0.10 U	---	---
delta-BHC			<0.10 U	<0.10 U	---	---
Lindane			<0.10 U	<0.10 U	---	---
Heptachlor			<0.10 U	<0.10 U	---	---
Aldrin			<0.10 U	<0.10 U	---	---
Heptachlor epoxide			<0.10 U	<0.10 U	---	---
Endosulfan I			<0.10 U	<0.10 U	---	---
Dieldrin			<0.20 U	<0.20 U	---	---
4,4'-DDE			<0.20 U	<0.20 U	---	---
Endrin			<0.20 U	<0.20 U	---	---
Endosulfan II			<0.20 U	<0.20 U	---	---
4,4'-DDD			<0.20 U	<0.20 U	---	---
Endosulfan sulfate			<0.20 U	<0.20 U	---	---
4,4'-DDT			<0.20 U	<0.20 U	---	---
Methoxychlor			<1.0 U	<1.0 U	---	---
Endrin ketone			<0.20 U	<0.20 U	---	---
Endrin aldehyde			<0.20 U	<0.20 U	---	---
alpha-Chlordane			<0.20 U	<0.20 U	---	---
gamma-Chlordane			<0.20 U	<0.20 U	---	---
Toxaphene			<10 U	<10 U	---	---
Aroclor 1016			<2.0 U	<2.0 U	<0.13	<0.13
Aroclor 1221			<4.0 U	<4.0 U	<0.13	<0.13
Aroclor 1232			<2.0 U	<2.0 U	<0.26	<0.26
Aroclor 1242			<2.0 U	<2.0 U	<0.13	<0.13
Aroclor 1248			<2.0 U	<2.0 U	<0.13	<0.13
Aroclor 1254			<2.0 U	<2.0 U	<0.13	<0.13
Aroclor 1260			<2.0 U	<2.0 U	<0.13	(0.06) U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Detection Limit

For RCL PEST

CONSTITUENT	(Units in ug/l)	SITE	D-08
		SAMPLE ID	EPA Sample
		DATE	01/16/92
alpha-BHC			---
beta-BHC			---
delta-BHC			---
Lindane			---
Heptachlor			---
Aldrin			---
Heptachlor epoxide			---
Endosulfan I			---
Dieldrin			---
4,4'-DDE			---
Endrin			---
Endosulfan II			---
4,4'-DDD			---
Endosulfan sulfate			---
4,4'-DDT			---
Methoxychlor			---
Endrin ketone			---
Endrin aldehyde			---
alpha-Chlordane			---
gamma-Chlordane			---
Toxaphene			---
Aroclor 1016			<0.13
Aroclor 1221			<0.13
Aroclor 1232			<0.26
Aroclor 1242			<0.13
Aroclor 1248			<0.13
Aroclor 1254			<0.13
Aroclor 1260			(0.1) J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 () = Less than Detection Limit
 For RCL PEST

Weyco Aberdeen

Date: 02/07/96

Phenols

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-01	D-01	D-01	D-01
		WELL D-1 05/25/90	ABERDEEN D-1 08/15/90	D-1 05/30/91	D-1 D-1 9-25 1230 09/25/91
Pentachlorophenol		<52 U	<200 U	<52 U	<52 U
Pentachlorophenol (GC/ECD)		---	---	---	---
Phenol		<10 U	<20 U	<10 U	<10 U
2-Chlorophenol		<10 U	<20 U	<10 U	<10 U
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		<10 U	<20 U	<10 U	<10 U
2,6-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		<52 U	<100 U	<52 U	<52 U
2,4,6-Trichlorophenol		<10 U	<20 U	<10 U	<10 U
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		<10 U	<20 U	<10 U	<10 U
3-Methylphenol		---	---	---	---
4-Methylphenol		<10 U	<20 U	<10 U	<10 U
2,4-Dimethylphenol		<10 U	<20 U	<10 U	<10 U
4-Nitrophenol		<52 U	<100 U	<52 U	<52 U
		---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

CONSTITUENT	(Units in ug/l)	SITE	D-01	D-01	D-01	D-01
		SAMPLE ID	EPA Sample	D-1 WEY AB	D-1	D-1
		DATE	01/16/92	01/16/92	07/14/92	10/27/92
Pentachlorophenol			<0.03#	---	<28 U	<26 U
Pentachlorophenol (GC/ECD)			---	<1	---	---
Phenol			<1	---	<11 U	<10 U
2-Chlorophenol			<1	---	<11 U	<10 U
3-Chlorophenol			---	---	---	---
4-Chlorophenol			---	---	---	---
2,4-Dichlorophenol			---	---	<11 U	<10 U
2,6-Dichlorophenol			---	---	---	---
2,3,4-Trichlorophenol			---	---	---	---
2,4,5-Trichlorophenol			<0.2#	---	<28 U	<26 U
2,4,6-Trichlorophenol			<0.1#	---	<11 U	<10 U
3,4,5-Trichlorophenol			---	---	---	---
2,3,4,5-Tetrachlorophenol			<0.05	---	---	---
2,3,4,6-Tetrachlorophenol			<0.05	---	---	---
2,3,5,6-Tetrachlorophenol			---	---	---	---
2-Methylphenol			<1	---	<11 U	<10 U
3-Methylphenol			---	---	---	---
4-Methylphenol			<1	---	<11 U	<10 U
2,4-Dimethylphenol			<1	---	<11 U	<10 U
4-Nitrophenol			<8	---	<28 U	<26 U
			2,6 JX	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE	D-01	D-01	D-01	D-02
	SAMPLE ID	D-1	D-1	D-1	WELL D-2
DATE		02/03/93	05/12/93	07/15/93	05/25/90
Pentachlorophenol		< 26 U	< 31 U	< 50 U	83
Pentachlorophenol (GC/ECD)		---	---	---	---
Phenol		< 10 U	< 12 U	< 20 U	< 10 U
2-Chlorophenol		< 10 U	< 12 U	< 20 U	110
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		< 10 U	< 12 U	< 20 U	< 10 U
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		< 26 U	< 31 U	< 50 U	< 51 U
2,4,6-Trichlorophenol		< 10 U	< 12 U	< 20 U	< 10 U
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		< 10 U	< 12 U	< 20 U	< 10 U
3-Methylphenol		---	---	---	---
4-Methylphenol		< 10 U	< 12 U	< 20 U	< 10 U
2,4-Dimethylphenol		< 10 U	< 12 U	< 20 U	< 10 U
4-Nitrophenol		< 26 U	< 31 U	< 50 U	190
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

CONSTITUENT	(Units in ug/l)	SITE	D-02	D-02	D-02	D-02
		SAMPLE ID	EPA Sample	D-2 WEY AB	D-2	D-2
		DATE	01/16/92	01/16/92	07/14/92	10/27/92
Pentachlorophenol			<0.03#	---	<26 U	<26 U
Pentachlorophenol (GC/ECD)			---	<1	---	---
Phenol			<1	---	<10 U	<10 U
2-Chlorophenol			<1	---	<10 U	<10 U
3-Chlorophenol			---	---	---	---
4-Chlorophenol			---	---	---	---
2,4-Dichlorophenol			---	---	<10 U	<10 U
2,6-Dichlorophenol			---	---	---	---
2,3,4-Trichlorophenol			---	---	---	---
2,4,5-Trichlorophenol			<0.2#	---	<26 U	<26 U
2,4,6-Trichlorophenol			<0.1#	---	<10 U	<10 U
3,4,5-Trichlorophenol			---	---	---	---
2,3,4,5-Tetrachlorophenol			<0.05	---	---	---
2,3,4,6-Tetrachlorophenol			<0.05	---	---	---
2,3,5,6-Tetrachlorophenol			---	---	---	---
2-Methylphenol			<1	---	<10 U	<10 U
3-Methylphenol			---	---	---	---
4-Methylphenol			<1	---	<10 U	<10 U
2,4-Dimethylphenol			<1	---	<10 U	<10 U
4-Nitrophenol			<8	---	<26 U	<26 U
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL PHENOLS

CONSTITUENT	SITE SAMPLE ID DATE	D-02	D-02	D-02	D-03
		D-2 02/03/93	D-2 05/12/93	D-2 07/15/93	D-3B 05/28/90
Pentachlorophenol		<26 U	<30 U	<50 U	<51 U
Pentachlorophenol (GC/ECD)		---	---	---	---
Phenol		<10 U	<12 U	<20 U	<10 U
2-Chlorophenol		<10 U	<12 U	<20 U	<10 U
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		<10 U	<12 U	<20 U	<10 U
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		<26 U	<30 U	<50 U	<51 U
2,4,6-Trichlorophenol		<10 U	<12 U	<20 U	<10 U
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		<10 U	<12 U	<20 U	<10 U
3-Methylphenol		---	---	---	---
4-Methylphenol		<10 U	<12 U	<20 U	<10 U
2,4-Dimethylphenol		<10 U	<12 U	<20 U	<10 U
4-Nitrophenol		<26 U	<30 U	<50 U	<51 U
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE	D-03	D-03	D-03	D-03
	SAMPLE ID	ABERDEEN D-3	D-3	D-3	D-3 9-25 0930
DATE		08/16/90	01/09/91	05/30/91	09/25/91
Pentachlorophenol		< 100 U	< 50 U	< 52 U	< 56 U
Pentachlorophenol (GC/ECD)		---	---	---	---
Phenol		< 20 U	< 10 U	< 10 U	< 11 U
2-Chlorophenol		< 20 U	< 10 U	< 10 U	< 11 U
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		< 20 U	< 10 U	< 10 U	< 11 U
2,6-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		< 100 U	< 50 U	< 52 U	< 56 U
2,4,6-Trichlorophenol		< 20 U	< 10 U	< 10 U	< 11 U
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		< 20 U	< 10 U	< 10 U	< 11 U
3-Methylphenol		---	---	---	---
4-Methylphenol		< 20 U	< 10 U	< 10 U	< 11 U
2,4-Dimethylphenol		< 20 U	< 10 U	< 10 U	< 11 U
4-Nitrophenol		< 100 U	< 50 U	< 52 U	< 56 U
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

CONSTITUENT	SITE SAMPLE ID DATE	D-03	D-03	D-03	D-03
		D-3 07/14/92	D-3 10/27/92	D-3 02/03/93	D-3 05/12/93
Pentachlorophenol		<26 U	<26 U	<28 U	<26 U
Pentachlorophenol (GC/ECD)		---	---	---	---
Phenol		<11 U	<10 U	<11 U	<10 U
2-Chlorophenol		<11 U	<10 U	<11 U	<10 U
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		<11 U	<10 U	<11 U	<10 U
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		<26 U	<26 U	<28 U	<26 U
2,4,6-Trichlorophenol		<11 U	<10 U	<11 U	<10 U
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
1,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		<11 U	<10 U	<11 U	<10 U
3-Methylphenol		---	---	---	---
4-Methylphenol		<11 U	2 J	<11 U	<10 U
2,4-Dimethylphenol		<11 U	<10 U	<11 U	<10 U
4-Nitrophenol		<26 U	<26 U	<28 U	<26 U
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT	(Units in ug/l)	SITE	D-03	D-03	D-04E	D-04E
		SAMPLE ID	D-3	D-3	D-4	ABERDEEN D-4
		DATE	07/15/93	10/20/93	05/28/90	08/15/90
Pentachlorophenol			< 50 U	---	24 J	6 J
Pentachlorophenol (GC/ECD)			---	< 1	---	---
Phenol			< 20 U	---	< 10 U	< 20 U
2-Chlorophenol			< 20 U	---	< 10 U	< 20 U
3-Chlorophenol			---	---	25 JX	72 JX
4-Chlorophenol			---	---	---	---
2,4-Dichlorophenol			< 20 U	---	< 10 U	< 20 U
2,5-Dichlorophenol			---	---	---	---
			---	---	13 JX	96 JX
2,3,4-Trichlorophenol			---	---	---	---
2,4,5-Trichlorophenol			< 50 U	---	8 J	5 J
2,4,6-Trichlorophenol			< 20 U	---	< 10 U	< 20 U
3,4,5-Trichlorophenol			---	---	---	---
2,3,4,5-Tetrachlorophenol			---	---	---	---
2,3,4,6-Tetrachlorophenol			---	---	9.1 JX	---
2,3,5,6-Tetrachlorophenol			---	---	---	---
2-Methylphenol			< 20 U	---	< 10 U	< 20 U
3-Methylphenol			---	---	---	---
4-Methylphenol			< 20 U	---	5 J	79
2,4-Dimethylphenol			< 20 U	---	< 10 U	< 20 U
4-Nitrophenol			< 50 U	---	< 51 U	< 100 U
			---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-04E D-4E 01/09/91	D-04E D4E-1010 05/30/91	D-04E D4E-925 09/25/91	D-04E D-4E 12/18/91
Pentachlorophenol		< 52 U	< 50 U	< 52 U	---
Pentachlorophenol (GC/ECD)		---	---	---	2
Phenol		< 10 U	< 10 U	< 10 U	---
2-Chlorophenol		< 10 U	< 10 U	< 10 U	---
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		< 10 U	< 10 U	< 10 U	---
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		< 52 U	< 50 U	< 52 U	---
2,4,6-Trichlorophenol		< 10 U	< 10 U	< 10 U	---
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		< 10 U	< 10 U	< 10 U	---
3-Methylphenol		---	---	---	---
4-Methylphenol		< 10 U	< 10 U	< 10 U	---
2,4-Dimethylphenol		< 10 U	< 10 U	< 10 U	---
4-Nitrophenol		< 52 U	< 50 U	< 52 U	---
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-04E D-4E 01/16/92	D-04E EPA Sample 01/16/92	D-04E D-4 07/14/92	D-04E D-4E 10/27/92
Pentachlorophenol			---	<0.063#	<1.0	---
Pentachlorophenol (GC/ECD)			<1	---	---	<1.0
Phenol			---	<8	---	---
2-Chlorophenol			---	<8	---	---
3-Chlorophenol			---	---	---	---
4-Chlorophenol			---	---	---	---
2,4-Dichlorophenol			---	---	---	---
2,6-Dichlorophenol			---	---	---	---
2,3,4-Trichlorophenol			---	---	---	---
2,4,5-Trichlorophenol			---	<0.24#	---	---
2,4,6-Trichlorophenol			---	<0.12#	---	---
3,4,5-Trichlorophenol			---	---	---	---
2,3,4,5-Tetrachlorophenol			---	<0.06	<1.0	---
2,3,4,6-Tetrachlorophenol			---	<0.06	<1.0	---
2,3,5,6-Tetrachlorophenol			---	---	<1.0	---
2-Methylphenol			---	<8	---	---
3-Methylphenol			---	---	---	---
4-Methylphenol			---	1 J	---	---
2,4-Dimethylphenol			---	<8	---	---
4-Nitrophenol			---	<49	---	---
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit ---=Not analyzed
 # = Constituent in more than one test method, highest result reported.
 For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE	D-04E	D-04E	D-04E	D-04E
	SAMPLE ID	D-4E	D-4	D-4E	D-4E
	DATE	02/03/93	05/12/93	07/15/93	10/20/93
Pentachlorophenol		< 1.0	< 10	---	---
Pentachlorophenol (GC/ECD)		---	---	< 1	< 1
Phenol		---	---	---	---
2-Chlorophenol		---	---	---	---
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		< 1.0	< 10	---	---
2,3,4,6-Tetrachlorophenol		< 1.0	< 10	---	---
2,3,5,6-Tetrachlorophenol		< 1.0	< 10	---	---
2-Methylphenol		---	---	---	---
3-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
4-Nitrophenol		---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit ---=Not analyzed

For RCL PHENOLS

Wayco Aberdeen

Date: 02/07/96

CONSTITUENT (Units in ug/l)	SITE	D-05	D-05	D-05	D-05
	SAMPLE ID	D-5	ABERDEEN D-5	D-5	D-5-1130
DATE		05/28/90	08/15/90	01/09/91	05/30/91
Pentachlorophenol		5500	5800 E	8000 E	9900 D
Pentachlorophenol (GC/ECD)		---	---	---	---
Phenol		22	140	45	40
2-Chlorophenol		<10 U	<20 U	<10 U	<10 U
3-Chlorophenol		460 JX	1000 JX	---	2300 JX
4-Chlorophenol		790 JX	---	1200 JX	---
2,4-Dichlorophenol		<10 U	23	31	110
2,5-Dichlorophenol		---	---	---	18 JX
		680 JX	1100 JX	---	1300 JX
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		190	420	230	(270) DJ
2,4,6-Trichlorophenol		<10 U	8 J	5 J	<10 U
3,4,5-Trichlorophenol		---	---	220 JX	190 JX
2,3,4,5-Tetrachlorophenol		---	---	2300 JX	---
2,3,4,6-Tetrachlorophenol		3000 JX	1500 JX	---	2800 JX
2,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		<10 U	<20 U	21	<10 U
3-Methylphenol		---	---	---	---
4-Methylphenol		9 J	130	<10 U	23
2,4-Dimethylphenol		4 J	<20 U	<10 U	<10 U
4-Nitrophenol		<51 U	<100 U	<52 U	<52 U
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Detection Limit

For RCL PHENOLS

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-05 D-5 12/18/91	D-05 EPA Sample 01/16/92	D-05 D-5 WEY AB 01/16/92	D-05 D-5 07/14/92
Pentachlorophenol			---	2510#	---	3780
Pentachlorophenol (GC/ECD)			5700	---	3700	---
Phenol			---	56	---	---
2-Chlorophenol			---	< 1	---	---
3-Chlorophenol			---	---	---	---
4-Chlorophenol			---	---	---	---
2,4-Dichlorophenol			---	---	---	---
2,5-Dichlorophenol			---	370 JX	---	---
2,3,4-Trichlorophenol			---	22 JX	---	---
2,4,5-Trichlorophenol			---	< 1900	---	---
2,4,6-Trichlorophenol			---	< 960	---	---
3,4,5-Trichlorophenol			---	---	---	---
2,3,4,5-Tetrachlorophenol			---	< 480	---	7.7
2,3,4,6-Tetrachlorophenol			---	2280#	---	2430
2,3,5,6-Tetrachlorophenol			---	430 JX	---	< 1.0
2-Methylphenol			---	< 1	---	---
3-Methylphenol			---	---	---	---
4-Methylphenol			---	12	---	---
2,4-Dimethylphenol			---	< 1	---	---
4-Nitrophenol			---	< 8	---	---
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE	D-05	D-05	D-05	D-05
	SAMPLE ID	D-5	D-5	D-5	D-5
	DATE	10/27/92	02/03/93	05/12/93	07/15/93
Pentachlorophenol		---	1300	2400	---
Pentachlorophenol (GC/ECD)		5000	---	---	4600
Phenol		---	---	---	---
2-Chlorophenol		---	---	---	---
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
2,6-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	<200	<10	---
2,3,4,6-Tetrachlorophenol		---	<200	720	---
2,3,5,6-Tetrachlorophenol		---	1200	<10	---
2-Methylphenol		---	---	---	---
3-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
4-Nitrophenol		---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit ---=Not analyzed

For RCL PHENOLS

Weyco Aberdeen

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-05 D-5 10/20/93	D-06 D-6 09/13/90	D-06 D-6 01/09/91	D-06 D6-1145 05/30/91
Pentachlorophenol			---	< 51 U	< 52 U	< 52 U
Pentachlorophenol (GC/ECD)			3590	---	---	---
Phenol			---	< 10 U	< 10 U	< 10 U
2-Chlorophenol			---	< 10 U	< 10 U	< 10 U
3-Chlorophenol			---	---	---	---
4-Chlorophenol			---	---	---	---
2,4-Dichlorophenol			---	< 10 U	< 10 U	< 10 U
2,5-Dichlorophenol			---	---	---	---
2,3,4-Trichlorophenol			---	---	---	---
2,4,5-Trichlorophenol			---	< 51 U	< 52 U	< 52 U
2,4,6-Trichlorophenol			---	< 10 U	< 10 U	< 10 U
3,4,5-Trichlorophenol			---	---	---	---
2,3,4,5-Tetrachlorophenol			---	---	---	---
2,3,4,6-Tetrachlorophenol			---	---	---	---
2,3,5,6-Tetrachlorophenol			---	---	---	---
2-Methylphenol			---	< 10 U	< 10 U	< 10 U
3-Methylphenol			---	---	---	---
4-Methylphenol			---	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol			---	< 10 U	< 10 U	< 10 U
4-Nitrophenol			---	< 51 U	< 52 U	< 52 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE	D-06	D-06	D-06	D-06
	SAMPLE ID	D6-925	D-6	D-6	EPA Sample
	DATE	09/25/91	12/18/91	01/16/92	01/16/92
Pentachlorophenol		< 51 U	---	---	< 0.03#
Pentachlorophenol (GC/ECD)		---	< 1	< 1	---
Phenol		< 10 U	---	---	< 1
2-Chlorophenol		< 10 U	---	---	< 1
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		< 10 U	---	---	---
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		< 51 U	---	---	< 0.2#
2,4,6-Trichlorophenol		< 10 U	---	---	< 0.1#
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	< 0.05
2,3,4,6-Tetrachlorophenol		---	---	---	< 0.05
2,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		< 10 U	---	---	< 1
3-Methylphenol		---	---	---	---
4-Methylphenol		< 10 U	---	---	< 1
2,4-Dimethylphenol		< 10 U	---	---	< 1
4-Nitrophenol		< 51 U	---	---	< 8 J
		---	---	---	---
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 # = Constituent in more than one test method, highest result reported.
 For RCL PHENOLS

CONSTITUENT	(Units in ug/l)	SITE	D-06	D-06	D-06	D-06
		SAMPLE ID	D-6	D-6	D-6	D-6
		DATE	07/14/92	10/27/92	02/03/93	05/12/93
Pentachlorophenol			< 1.0	---	< 1.0	< 10
Pentachlorophenol (GC/ECD)			---	< 1 U	---	---
Phenol			---	---	---	---
2-Chlorophenol			---	---	---	---
3-Chlorophenol			---	---	---	---
4-Chlorophenol			---	---	---	---
2,4-Dichlorophenol			---	---	---	---
2,5-Dichlorophenol			---	---	---	---
2,3,4-Trichlorophenol			---	---	---	---
2,4,5-Trichlorophenol			---	---	---	---
2,4,6-Trichlorophenol			---	---	---	---
3,4,5-Trichlorophenol			---	---	---	---
2,3,4,5-Tetrachlorophenol			< 1.0	---	< 1.0	< 10
2,3,4,6-Tetrachlorophenol			< 1.0	---	< 1.0	< 10
2,3,5,6-Tetrachlorophenol			< 1.0	---	< 1.0	< 10
2-Methylphenol			---	---	---	---
3-Methylphenol			---	---	---	---
4-Methylphenol			---	---	---	---
2,4-Dimethylphenol			---	---	---	---
4-Nitrophenol			---	---	---	---

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE	D-06	D-06	D-07	D-07
	SAMPLE ID	D-6	D-6	D-7	D7-1105
	DATE	07/15/93	10/20/93	09/13/90	05/30/91
Pentachlorophenol		---	---	<50 U	<54 U
Pentachlorophenol (GC/ECD)		<1	1	---	---
Phenol		---	---	740 E	<11 U
2-Chlorophenol		---	---	<10 U	<11 U
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		---	---	<10 U	<11 U
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	<50 U	<54 U
2,4,6-Trichlorophenol		---	---	<10 U	<11 U
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		---	---	<10 U	<11 U
3-Methylphenol		---	---	---	---
4-Methylphenol		---	---	55	<11 U
2,4-Dimethylphenol		---	---	<10 U	<11 U
4-Nitrophenol		---	---	<50 U	<54 U
		---	---	---	---
		---	---	---	---
		---	---	---	---
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

Wayco Aberdeen

Date: 02/07/96

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-07 D7-925 09/25/91	D-07 D-7 12/18/91	D-07 EPA Sample 01/16/92	D-07 D-7 WEY AB 01/16/92
Pentachlorophenol			<51 U	---	<0.04#	---
Pentachlorophenol (GC/ECD)			---	<1	---	<1
Phenol			<10 U	---	<7	---
2-Chlorophenol			<10 U	---	<7	---
3-Chlorophenol			---	---	---	---
4-Chlorophenol			---	---	---	---
2,4-Dichlorophenol			<10 U	---	---	---
2,6-Dichlorophenol			---	---	---	---
2,3,4-Trichlorophenol			---	---	---	---
2,4,6-Trichlorophenol			<51 U	---	<0.18#	---
2,4,6-Trichlorophenol			<10 U	---	<0.09#	---
3,4,6-Trichlorophenol			---	---	---	---
2,3,4,6-Tetrachlorophenol			---	---	<0.05	---
2,3,4,6-Tetrachlorophenol			---	---	<0.05	---
2,3,5,6-Tetrachlorophenol			---	---	---	---
2-Methylphenol			<10 U	---	<7	---
3-Methylphenol			---	---	---	---
4-Methylphenol			<10 U	---	<7	---
2,4-Dimethylphenol			<10 U	---	<7	---
4-Nitrophenol			<51 U	---	<42	---
			---	---	---	---
			---	---	---	---
			---	---	---	---
			---	---	---	---
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL PHENOLS

Weyco Aberdeen

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-07	D-07	D-07	D-07
		D-7	D-7	D-7	D-7
		07/14/92	10/27/92	02/03/93	05/12/93
Pentachlorophenol		<1.0	---	<1.0	<10
Pentachlorophenol (GC/ECD)		---	<1.0	---	---
Phenol		---	---	---	---
2-Chlorophenol		---	---	---	---
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		<1.0	---	<1.0	<10
2,3,4,6-Tetrachlorophenol		<1.0	---	<1.0	<10
2,3,5,6-Tetrachlorophenol		<1.0	---	<1.0	<10
2-Methylphenol		---	---	---	---
3-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
4-Nitrophenol		---	---	---	---
		---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-07 D-7 07/15/93	D-07 D-7 10/20/93	D-08 D-8 09/13/90	D-08 D-9 01/09/91
Pentachlorophenol		---	---	< 50 U	< 52 U
Pentachlorophenol (GC/ECD)		< 1	< 1	---	---
Phenol		---	---	280	< 10 U
2-Chlorophenol		---	---	< 10 U	< 10 U
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		---	---	< 10 U	< 10 U
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,6-Trichlorophenol		---	---	< 50 U	< 52 U
3,4,5-Trichlorophenol		---	---	< 10 U	< 10 U
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		---	---	< 10 U	< 10 U
3-Methylphenol		---	---	---	---
4-Methylphenol		---	---	54	< 10 U
2,4-Dimethylphenol		---	---	< 10 U	< 10 U
4-Nitrophenol		---	---	< 50 U	< 52 U
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE	D-08	D-08	D-08	D-08
	SAMPLE ID	D-8 WEY AB	D-8	D-8	D-8
DATE		01/16/92	07/14/92	10/27/92	02/03/93
Pentachlorophenol		---	1.3	---	<1.0
Pentachlorophenol (GC/ECD)		<1	---	<1 U	---
Phenol		---	---	---	---
2-Chlorophenol		---	---	---	---
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	<1.0	---	<1.0
2,3,4,6-Tetrachlorophenol		---	<1.0	---	<1.0
2,3,5,6-Tetrachlorophenol		---	<1.0	---	<1.0
2-Methylphenol		---	---	---	---
3-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
4-Nitrophenol		---	---	---	---
		---	---	---	---
		---	---	---	---
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Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE	D-08	D-08	D-08	D-09
	SAMPLE ID	D-8	D-8	D-8	D-9
	DATE	05/12/93	07/15/93	10/20/93	09/13/90
Pentachlorophenol		<10	---	---	<51 U
Pentachlorophenol (GC/ECD)		---	<1	<1	---
Phenol		---	---	---	23
2-Chlorophenol		---	---	---	<10 U
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		---	---	---	<10 U
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	<51 U
2,4,6-Trichlorophenol		---	---	---	<10 U
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		<10	---	---	---
2,3,4,6-Tetrachlorophenol		<10	---	---	---
2,3,5,6-Tetrachlorophenol		<10	---	---	---
2-Methylphenol		---	---	---	5 J
3-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	<10 U
2,4-Dimethylphenol		---	---	---	<10 U
4-Nitrophenol		---	---	---	<51 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL PHENOLS

CONSTITUENT (Units in ug/l)	SITE	D-09	D-09	D-09	D-09
	SAMPLE ID	D-9	D9-0945	D9-925	D-9
	DATE	01/09/91	05/30/91	09/25/91	12/18/91
Pentachlorophenol		< 62 U	< 62 U	< 61 U	---
Pentachlorophenol (GC/ECD)		---	---	---	< 1
Phenol		< 10 U	< 10 U	< 10 U	---
2-Chlorophenol		< 10 U	< 10 U	< 10 U	---
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		< 10 U	< 10 U	< 10 U	---
2,5-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		< 62 U	< 62 U	< 61 U	---
2,4,6-Trichlorophenol		< 10 U	< 10 U	< 10 U	---
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,5,6-Tetrachlorophenol		---	---	---	---
2-Methylphenol		< 10 U	< 10 U	< 10 U	---
3-Methylphenol		---	---	---	---
4-Methylphenol		< 10 U	< 10 U	< 10 U	---
2,4-Dimethylphenol		< 10 U	< 10 U	< 10 U	---
4-Nitrophenol		< 62 U	< 62 U	< 61 U	---

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

For RCL PHENOLS

CONSTITUENT (Units: In ug/l)	SITE	D-09	D-09	D-09	D-09
	SAMPLE ID	D-9	D-9	D-9	D-9
DATE		07/14/92	10/27/92	02/03/93	05/12/93
Pentachlorophenol		<1.0	---	<1.0	<10
Pentachlorophenol (GC/ECD)		---	<1 U	---	---
Phenol		---	---	---	---
2-Chlorophenol		---	---	---	---
3-Chlorophenol		---	---	---	---
4-Chlorophenol		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
2,6-Dichlorophenol		---	---	---	---
2,3,4-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
3,4,5-Trichlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		<1.0	---	<1.0	<10
2,3,4,6-Tetrachlorophenol		<1.0	---	<1.0	<10
2,3,5,6-Tetrachlorophenol		<1.0	---	<1.0	<10
2-Methylphenol		---	---	---	---
3-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
4-Nitrophenol		---	---	---	---

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

For RCL PHENOLS

Weyco Aberdeen

Date: 02/07/96

Semi-volatiles

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-01 WELL D-1 05/25/90	D-01 ABERDEEN D-1 08/15/90	D-01 D-1 05/30/91	D-01 D-1 9-25 1230 09/25/91
2,3,5,6-Tetrachlorophenol			---	---	---	---
2,3,4,6-Tetrachlorophenol			---	---	---	---
2,3,4,5-Tetrachlorophenol			---	---	---	---
Pentachlorophenol			<52 U	<200 U	<52 U	<52 U
Pentachlorophenol (GC/ECD)			---	---	---	---
2-Chlorophenol			<10 U	<20 U	<10 U	<10 U
Phenol			<10 U	<20 U	<10 U	<10 U
2-Methylphenol			<10 U	<20 U	<10 U	<10 U
4-Methylphenol			<10 U	<20 U	<10 U	<10 U
2-Methylnaphthalene			<10 U	<20 U	<10 U	<10 U
Nitrobenzene			<10 U	<20 U	<10 U	<10 U
2,4-Dimethylphenol			<10 U	<20 U	<10 U	<10 U
Benzoic acid			4 J	<100 U	<52 U	<52 U
2,4-Dichlorophenol			<10 U	<20 U	<10 U	<10 U
1,2,4-Trichlorobenzene			<10 U	<20 U	<10 U	<10 U
Naphthalene			<10 U	<20 U	<10 U	<10 U
2,4,6-Trichlorophenol			<10 U	<20 U	<10 U	<10 U
2,4,5-Trichlorophenol			<52 U	<100 U	<52 U	<52 U
Acenaphthene			<10 U	<20 U	<10 U	<10 U
3-Nitroaniline			<52 U	<100 U	<52 U	<52 U
4-Nitrophenol			<52 U	<100 U	<52 U	<52 U
Bis(2-ethylhexyl)phthalate			<10 U	<20 U	<10 U	<10 U
2-Methyl-4,6-dinitrophenol			<52 U	<100 U	<52 U	<52 U
Fluorene			<10 U	<20 U	<10 U	<10 U
			---	---	---	---
Pyrene			<10 U	<20 U	<10 U	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-01 EPA Sample 01/16/92	D-01 D-1 WEY AB 01/16/92	D-01 D-1 07/14/92	D-01 D-1 10/27/92
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		<0.05	---	---	---
2,3,4,5-Tetrachlorophenol		<0.05	---	---	---
Pentachlorophenol		<0.03#	---	<28 U	<26 U
Pentachlorophenol (GC/ECD)		---	<1	---	---
2-Chlorophenol		<1	---	<11 U	<10 U
Phenol		<1	---	<11 U	<10 U
2-Methylphenol		<1	---	<11 U	<10 U
4-Methylphenol		<1	---	<11 U	<10 U
2-Methylnaphthalene		<1	---	<11 U	<10 U
Nitrobenzene		<1	---	<11 U	<10 U
2,4-Dimethylphenol		<1	---	<11 U	<10 U
Benzoic acid		<16	---	---	---
2,4-Dichlorophenol		---	---	<11 U	<10 U
1,2,4-Trichlorobenzene		<1#	---	<11 U	<10 U
Naphthalene		<1#	---	<11 U	<10 U
2,4,6-Trichlorophenol		<0.1#	---	<11 U	<10 U
2,4,5-Trichlorophenol		<0.2#	---	<28 U	<26 U
Acenaphthene		(0.1) J	---	<11 U	<10 U
3-Nitroaniline		<16 J	---	<28 U	<26 U
4-Nitrophenol		<8	---	<28 U	<26 U
Bis(2-ethylhexyl)phthalate		<2	---	<11 U	<10 U
2-Methyl-4,6-dinitrophenol		<16	---	<28 U	<26 U
Fluorane		<1	---	<11 U	<10 U
		<1	---	---	---
Pyrene		<1	---	<11 U	<10 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit --- =Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-01	D-01	D-01	D-02
	SAMPLE ID	D-1	D-1	D-1	WELL D-2
DATE		02/03/93	05/12/93	07/15/93	05/25/90
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,4,5-Tetraochlorophenol		---	---	---	---
Pentachlorophenol		<26 U	<31 U	<50 U	83
Pentachlorophenol (GC/ECD)		---	---	---	---
2-Chlorophenol		<10 U	<12 U	<20 U	110
Phenol		<10 U	<12 U	<20 U	<10 U
2-Methylphenol		<10 U	<12 U	<20 U	<10 U
4-Methylphenol		<10 U	<12 U	<20 U	<10 U
2-Methylnaphthalene		<10 U	<12 U	<20 U	22
Nitrobenzene		<10 U	<12 U	<20 U	<10 U
2,4-Dimethylphenol		<10 U	<12 U	<20 U	<10 U
Benzoic acid		---	---	---	4 J
2,4-Dichlorophenol		<10 U	<12 U	<20 U	<10 U
1,2,4-Trichlorobenzene		<10 U	<12 U	<20 U	2 J
Naphthalene		<10 U	<12 U	<20 U	<10 U
2,4,6-Trichlorophenol		<10 U	<12 U	<20 U	<10 U
2,4,5-Trichlorophenol		<26 U	<31 U	<50 U	<51 U
Acenaphthene		<10 U	<12 U	<20 U	<10 U
3-Nitroaniline		<26 U	<31 U	<50 U	<51 U
4-Nitrophenol		<26 U	<31 U	<50 U	190
Bis(2-ethylhexyl)phthalate		<10 U	<12 U	<20 U	2 J
2-Methyl-4,6-dinitrophenol		<26 U	<31 U	<50 U	<51 U
Fluorane		<10 U	<12 U	<20 U	<10 U
		---	---	---	---
Pyrene		<10 U	<12 U	<20 U	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-02	D-02	D-02	D-02
	SAMPLE ID	ABERDEEN D-2	D-2	D-2	D-2 9-25 1000
DATE		08/16/90	01/09/91	05/30/91	09/25/91
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
Pentachlorophenol		<100 U	<53 U	<52 U	<51 U
Pentachlorophenol (GC/ECD)		---	---	---	---
2-Chlorophenol		<20 U	<11 U	<10 U	<10 U
Phenol		<20 U	<11 U	<10 U	<10 U
2-Methylphenol		<20 U	<11 U	<10 U	<10 U
4-Methylphenol		<20 U	<11 U	(2) J	<10 U
2-Methylnaphthalene		<20 U	<11 U	<10 U	<10 U
Nitrobenzene		<20 U	<11 U	<10 U	<10 U
2,4-Dimethylphenol		<20 U	<11 U	<10 U	<10 U
Benzoic acid		<100 U	<53 U	<52 U	<51 U
2,4-Dichlorophenol		<20 U	<11 U	<10 U	<10 U
1,2,4-Trichlorobenzene		<20 U	<11 U	<10 U	<10 U
Naphthalene		<20 U	<11 U	<10 U	<10 U
2,4,6-Trichlorophenol		<20 U	<11 U	<10 U	<10 U
2,4,5-Trichlorophenol		<100 U	<53 U	<52 U	<51 U
Acenaphthene		<20 U	<11 U	<10 U	<10 U
3-Nitroaniline		<100 U	<53 U	<52 U	<51 U
4-Nitrophenol		<100 U	<53 U	<52 U	<51 U
Bis(2-ethylhexyl)phthalate		<20 U	<11 U	<10 U	<10 U
2-Methyl-4,6-dinitrophenol		<100 U	<53 U	<52 U	<51 U
Fluorene		<20 U	<11 U	<10 U	<10 U
		---	---	---	---
Pyrene		<20 U	<11 U	<10 U	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-02 EPA Sample 01/16/92	D-02 D-2 WEY AB 01/16/92	D-02 D-2 07/14/92	D-02 D-2 10/27/92
2,3,5,6-Tetrachlorophenol			---	---	---	---
2,3,4,6-Tetrachlorophenol			<0.05	---	---	---
2,3,4,5-Tetrachlorophenol			<0.05	---	---	---
Pentachlorophenol			<0.03#	---	<26 U	<26 U
Pentachlorophenol (GC/ECD)			---	<1	---	---
2-Chlorophenol			<1	---	<10 U	<10 U
Phenol			<1	---	<10 U	<10 U
2-Methylphenol			<1	---	<10 U	<10 U
4-Methylphenol			<1	---	<10 U	<10 U
2-Methylnaphthalene			<1	---	<10 U	<10 U
Nitrobenzene			<1	---	<10 U	<10 U
2,4-Dimethylphenol			<1	---	<10 U	<10 U
Benzoic acid			(0.3) J	---	---	---
2,4-Dichlorophenol			---	---	<10 U	<10 U
1,2,4-Trichlorobenzene			<1#	---	<10 U	<10 U
Naphthalene			<1#	---	<10 U	<10 U
2,4,6-Trichlorophenol			<0.1#	---	<10 U	<10 U
2,4,5-Trichlorophenol			<0.2#	---	<26 U	<26 U
Acenaphthene			(0.1) J	---	<10 U	<10 U
3-Nitroaniline			<17 J	---	<26 U	<26 U
4-Nitrophenol			<8	---	<26 U	<26 U
Bis(2-ethylhexyl)phthalate			1 J	---	2 J	1 J
2-Methyl-4,6-dinitrophenol			<17	---	<26 U	<26 U
Fluorane			<1	---	<10 U	<10 U
			1 J	---	---	---
Pyrene			<1	---	<10 U	<10 U

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= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-02	D-02	D-02	D-03
	SAMPLE ID	D:2	D-2	D-2	D-3B
DATE		02/03/93	05/12/93	07/15/93	05/28/90
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
Pentachlorophenol		<26 U	<30 U	<50 U	<51 U
Pentachlorophenol (GC/ECD)		---	---	---	---
2-Chlorophenol		<10 U	<12 U	<20 U	<10 U
Phenol		<10 U	<12 U	<20 U	<10 U
2-Methylphenol		<10 U	<12 U	<20 U	<10 U
4-Methylphenol		<10 U	<12 U	<20 U	<10 U
2-Methylnaphthalene		<10 U	<12 U	<20 U	<10 U
Nitrobenzene		<10 U	<12 U	<20 U	<10 U
2,4-Dimethylphenol		<10 U	<12 U	<20 U	<10 U
Benzoic acid		---	---	---	120
2,4-Dichlorophenol		<10 U	<12 U	<20 U	<10 U
1,2,4-Trichlorobenzene		<10 U	<12 U	<20 U	<10 U
Naphthalene		<10 U	<12 U	<20 U	<10 U
2,4,6-Trichlorophenol		<10 U	<12 U	<20 U	<10 U
2,4,5-Trichlorophenol		<26 U	<30 U	<50 U	<51 U
Acenaphthene		<10 U	<12 U	<20 U	<10 U
3-Nitroaniline		<26 U	<30 U	<50 U	<51 U
4-Nitrophenol		<26 U	<30 U	<50 U	<51 U
Bis(2-ethylhexyl)phthalate		<10 U	(8) U	<20 U	<10 U
2-Methyl-4,6-dinitrophenol		<26 U	<30 U	<50 U	<51 U
Fluorene		<10 U	<12 U	<20 U	<10 U
		---	---	---	---
Pyrene		<10 U	<12 U	<20 U	<10 U

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() = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-03	D-03	D-03	D-03
	SAMPLE ID	ABERDEEN D-3	D-3	D-3	D-3 9-25 0930
DATE		08/16/90	01/09/91	05/30/91	09/25/91
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
Pentachlorophenol		<100 U	<50 U	<52 U	<56 U
Pentachlorophenol (GC/ECD)		---	---	---	---
2-Chlorophenol		<20 U	<10 U	<10 U	<11 U
Phenol		<20 U	<10 U	<10 U	<11 U
2-Methylphenol		<20 U	<10 U	<10 U	<11 U
4-Methylphenol		<20 U	<10 U	<10 U	<11 U
2-Methylnaphthalene		<20 U	<10 U	<10 U	<11 U
Nitrobenzene		<20 U	<10 U	<10 U	<11 U
2,4-Dimethylphenol		<20 U	<10 U	<10 U	<11 U
Benzoic acid		<100 U	<50 U	<52 U	<56 U
2,4-Dichlorophenol		<20 U	<10 U	<10 U	<11 U
1,2,4-Trichlorobenzene		<20 U	<10 U	<10 U	<11 U
Naphthalene		<20 U	<10 U	<10 U	<11 U
2,4,6-Trichlorophenol		<20 U	<10 U	<10 U	<11 U
2,4,5-Trichlorophenol		<100 U	<50 U	<52 U	<56 U
Acenaphthene		<20 U	<10 U	<10 U	<11 U
3-Nitroaniline		<100 U	<50 U	<52 U	<56 U
4-Nitrophenol		<100 U	<50 U	<52 U	<56 U
Bis(2-ethylhexyl)phthalate		<20 U	(4) U	<10 U	<11 U
2-Methyl-4,6-dinitrophenol		<100 U	<50 U	<52 U	<56 U
Fluorane		<20 U	<10 U	<10 U	<11 U
		---	---	---	---
Pyrene		<20 U	<10 U	<10 U	<11 U

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() = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT	(Units in ug/l)	SITE	D-03	D-03	D-03	D-03
		SAMPLE ID	D-3	D-3	D-3	D-3
		DATE	07/14/92	10/27/92	02/03/93	05/12/93
2,3,5,6-Tetrachlorophenol			---	---	---	---
2,3,4,6-Tetrachlorophenol			---	---	---	---
2,3,4,5-Tetrachlorophenol			---	---	---	---
Pentachlorophenol			<26 U	<26 U	<28 U	<26 U
Pentachlorophenol (GC/ECD)			---	---	---	---
2-Chlorophenol			<11 U	<10 U	<11 U	<10 U
Phenol			<11 U	<10 U	<11 U	<10 U
2-Methylphenol			<11 U	<10 U	<11 U	<10 U
4-Methylphenol			<11 U	2 J	<11 U	<10 U
2-Methylnaphthalene			<11 U	<10 U	<11 U	<10 U
Nitrobenzene			<11 U	<10 U	<11 U	<10 U
2,4-Dimethylphenol			<11 U	<10 U	<11 U	<10 U
Benzoic acid			---	---	---	---
2,4-Dichlorophenol			<11 U	<10 U	<11 U	<10 U
1,2,4-Trichlorobenzene			<11 U	<10 U	<11 U	<10 U
Naphthalene			<11 U	<10 U	<11 U	<10 U
2,4,6-Trichlorophenol			<11 U	<10 U	<11 U	<10 U
2,4,5-Trichlorophenol			<26 U	<26 U	<28 U	<26 U
Acenaphthene			<11 U	<10 U	<11 U	<10 U
3-Nitroaniline			<26 U	6 J	<28 U	<26 U
4-Nitrophenol			<26 U	<26 U	<28 U	<26 U
Bis(2-ethylhexyl)phthalate			<11 U	<10 U	<11 U	<10 U
2-Methyl-4,6-dinitrophenol			<26 U	<26 U	<28 U	<26 U
Fluorene			<11 U	<10 U	<11 U	<10 U
			---	---	---	---
Pyrene			<11 U	<10 U	<11 U	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	D-03 D-3 07/15/93	D-03 D-3 10/20/93	D-04E D-4 05/28/90	D-04E ABERDEEN D-4 08/15/90
2,3,5,6-Tetrachlorophenol			---	---	---	---
2,3,4,6-Tetrachlorophenol			---	---	9.1 JX	---
2,3,4,5-Tetrachlorophenol			---	---	---	---
Pentachlorophenol			<50 U	---	24 J	6 J
Pentachlorophenol (GC/ECD)			---	<1	---	---
2-Chlorophenol			<20 U	---	<10 U	<20 U
Phenol			<20 U	---	<10 U	<20 U
2-Methylphenol			<20 U	---	<10 U	<20 U
4-Methylphenol			<20 U	---	5 J	79
2-Methylnaphthalene			<20 U	---	<10 U	<20 U
Nitrobenzene			<20 U	---	<10 U	<20 U
2,4-Dimethylphenol			<20 U	---	<10 U	<20 U
Benzoic acid			---	---	17 J	20 J
2,4-Dichlorophenol			<20 U	---	<10 U	<20 U
1,2,4-Trichlorobenzene			<20 U	---	<10 U	<20 U
Naphthalene			<20 U	---	2 J	<20 U
2,4,6-Trichlorophenol			<20 U	---	<10 U	<20 U
2,4,5-Trichlorophenol			<50 U	---	8 J	5 J
Acenaphthene			<20 U	---	<10 U	<20 U
3-Nitroaniline			<50 U	---	<51 U	<100 U
4-Nitrophenol			<50 U	---	<51 U	<100 U
Bis(2-ethylhexyl)phthalate			<20 U	---	4 J	<20 U
2-Methyl-4,6-dinitrophenol			<50 U	---	5 J	<100 U
Fluorane			<20 U	---	<10 U	<20 U
			---	---	---	---
Pyrene			<20 U	---	<10 U	<20 U

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For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-04E	D-04E	D-04E	D-04E
	SAMPLE ID	D-4E	D4E-1010	D4E-928	D-4E
	DATE	01/09/91	05/30/91	09/25/91	12/18/91
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
Pentachlorophenol		<52 U	<50 U	<52 U	---
Pentachlorophenol (GC/ECD)		---	---	---	2
2-Chlorophenol		<10 U	<10 U	<10 U	---
Phenol		<10 U	<10 U	<10 U	---
2-Methylphenol		<10 U	<10 U	<10 U	---
4-Methylphenol		<10 U	<10 U	<10 U	---
2-Methylnaphthalene		<10 U	<10 U	<10 U	---
Nitrobenzene		<10 U	<10 U	<10 U	---
2,4-Dimethylphenol		<10 U	<10 U	<10 U	---
Benzoic acid		<52 U	<50 U	<52 U	---
2,4-Dichlorophenol		<10 U	<10 U	<10 U	---
1,2,4-Trichlorobenzene		<10 U	<10 U	<10 U	---
Naphthalene		<10 U	<10 U	<10 U	---
2,4,6-Trichlorophenol		<10 U	<10 U	<10 U	---
2,4,5-Trichlorophenol		<52 U	<50 U	<52 U	---
Acenaphthene		<10 U	<10 U	<10 U	---
3-Nitroaniline		<52 U	<50 U	<52 U	---
4-Nitrophenol		<52 U	<50 U	<52 U	---
Bis(2-ethylhexyl)phthalate		<10 U	(6) U	<10 U	---
2-Methyl-4,6-dinitrophenol		<52 U	<50 U	<52 U	---
Fluorane		<10 U	<10 U	<10 U	---
		---	---	---	---
Pyrene		<10 U	<10 U	<10 U	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

() = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-04E	D-04E	D-04E	D-04E
	SAMPLE ID	D-4E	EPA Sample	D-4	D-4E
	DATE	01/16/92	01/16/92	07/14/92	10/27/92
2,3,5,6-Tetrachlorophenol		---	---	<1.0	---
2,3,4,6-Tetrachlorophenol		---	<0.06	<1.0	---
2,3,4,5-Tetrachlorophenol		---	<0.06	<1.0	---
Pentachlorophenol		---	<0.063#	<1.0	---
Pentachlorophenol (GC/ECD)		<1	---	---	<1 U
2-Chlorophenol		---	<8	---	---
Phenol		---	<8	---	---
2-Methylphenol		---	<8	---	---
4-Methylphenol		---	1 J	---	---
2-Methylnaphthalene		---	(0.3) J	---	---
Nitrobenzene		---	<8	---	---
2,4-Dimethylphenol		---	<8	---	---
Benzole acid		---	<98	---	---
2,4-Dichlorophenol		---	---	---	---
1,2,4-Trichlorobenzene		---	<8#	---	---
Naphthalene		---	2# J	---	---
2,4,6-Trichlorophenol		---	<0.12#	---	---
2,4,5-Trichlorophenol		---	<0.24#	---	---
Acenaphthene		---	1 J	---	---
3-Nitroaniline		---	<98 J	---	---
4-Nitrophenol		---	<49	---	---
Bis(2-ethylhexyl)phthalate		---	<23 J	---	---
2-Methyl-4,6-dinitrophenol		---	<98	---	---
Fluorene		---	(0.5) J	---	---
		---	140 J	---	---
Pyrene		---	<8	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-04E	D-04E	D-04E	D-04E
	SAMPLE ID	D-4E	D-4	D-4E	D-4E
	DATE	02/03/93	05/12/93	07/15/93	10/20/93
2,3,5,6-Tetrachlorophenol		<1.0	<10	---	---
2,3,4,6-Tetrachlorophenol		<1.0	<10	---	---
2,3,4,5-Tetraochlorophenol		<1.0	<10	---	---
Pentachlorophenol		<1.0	<10	---	---
Pentachlorophenol (GC/ECD)		---	---	<1	<1
2-Chlorophenol		---	---	---	---
Phenol		---	---	---	---
2-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2-Methylnaphthalene		---	---	---	---
Nitrobenzene		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
Benzoic acid		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
1,2,4-Trichlorobenzene		---	---	---	---
naphthalene		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
Acenaphthene		---	---	---	---
3-Nitroaniline		---	---	---	---
4-Nitrophenol		---	---	---	---
Bis(2-ethylhexyl)phthalate		---	---	---	---
2-Methyl-4,6-dinitrophenol		---	---	---	---
Fluorene		---	---	---	---
Pyrene		---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT	(Units in ug/l)	SITE	D-05	D-05	D-05	D-05
		SAMPLE ID	D-5	ABERDEEN D-5	D-5	D5-1130
		DATE	05/28/90	08/15/90	01/09/91	05/30/91
2,3,5,6-Tetrachlorophenol			---	---	---	---
2,3,4,6-Tetrachlorophenol			3000 JX	1500 JX	---	2800 JX
2,3,4,5-Tetrachlorophenol			---	---	2300 JX	---
Pentachlorophenol			5500	5800 E	8000 E	9900 D
Pentachlorophenol (GC/ECD)			---	---	---	---
2-Chlorophenol			<10 U	<20 U	<10 U	<10 U
Phenol			22	140	45	40
2-Methylphenol			<10 U	<20 U	21	<10 U
4-Methylphenol			8 J	130	<10 U	23
2-Methylnaphthalene			3 J	6 J	4 J	(3) J
Nitrobenzene			<10 U	<20 U	<10 U	<10 U
2,4-Dimethylphenol			4 J	<20 U	<10 U	<10 U
Benzoic acid			33 J	130	25 J	<52 U
2,4-Dichlorophenol			<10 U	23	31	110
1,2,4-Trichlorobenzene			<10 U	<20 U	<10 U	<10 U
Naphthalene			7 J	8 J	6 J	<10 U
2,4,6-Trichlorophenol			<10 U	8 J	5 J	<10 U
2,4,5-Trichlorophenol			190	420	230	(270) DJ
Acenaphthene			<10 U	<20 U	<10 U	<10 U
3-Nitroaniline			<51 U	<100 U	<52 U	<52 U
4-Nitrophenol			<51 U	<100 U	<52 U	<52 U
Bis(2-ethylhexyl)phthalate			<10 U	<20 U	<10 U	<10 U
2-Methyl-4,6-dinitrophenol			<51 U	<100 U	<52 U	<52 U
Fluorane			<10 U	<20 U	<10 U	<10 U
			120 JX	---	---	---
Pyrene			<10 U	<20 U	<10 U	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

(l) = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT	(Units in ug/l)	SITE	D-05	D-05	D-05	D-05
		SAMPLE ID	D-5	EPA Sample	D-5 WEY AB	D-5
		DATE	12/18/91	01/16/92	01/16/92	07/14/92
2,3,5,6-Tetrachlorophenol			---	430 JX	---	<1.0
2,3,4,6-Tetrachlorophenol			---	2280#	---	2430
2,3,4,5-Tetrachlorophenol			---	<480	---	7.7
Pentachlorophenol			---	2510#	---	3780
Pentachlorophenol (GC/ECD)			5700	---	3700	---
2-Chlorophenol			---	<1	---	---
Phenol			---	56	---	---
2-Methylphenol			---	<1	---	---
4-Methylphenol			---	12	---	---
2-Methylnaphthalene			---	3	---	---
Nitrobenzene			---	<1	---	---
2,4-Dimethylphenol			---	<1	---	---
Benzoic acid			---	<16	---	---
2,4-Dichlorophenol			---	---	---	---
1,2,4-Trichlorobenzene			---	<1#	---	---
Naphthalene			---	4#	---	---
2,4,6-Trichlorophenol			---	<960	---	---
2,4,5-Trichlorophenol			---	<1900	---	---
Acenaphthene			---	<1	---	---
3-Nitroaniline			---	<16 J	---	---
4-Nitrophenol			---	<8	---	---
Bis(2-ethylhexyl)phthalate			---	<2 J	---	---
2-Methyl-4,6-dinitrophenol			---	<16	---	---
Fluorene			---	<1	---	---
			---	60 J	---	---
Pyrene			---	<1 J	---	---

Values represent total concentrations unless noted < =Not detected at indicated reporting limit -- =Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-05	D-05	D-05	D-05
	SAMPLE ID	D-5	D-5	D-5	D-5
	DATE	10/27/92	02/03/93	05/12/93	07/15/93
2,3,5,6-Tetrachlorophenol		---	1200	< 10	---
2,3,4,6-Tetrachlorophenol		---	<200	720	---
2,3,4,5-Tetrachlorophenol		---	<200	< 10	---
Pentachlorophenol		---	1300	2400	---
Pentachlorophenol (GC/ECD)		5000	---	---	4600
2-Chlorophenol		---	---	---	---
Phenol		---	---	---	---
2-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2-Methylnaphthalene		---	---	---	---
Nitrobenzene		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
Benzoic acid		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
1,2,4-Trichlorobenzene		---	---	---	---
Naphthalene		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
Acenaphthene		---	---	---	---
3-Nitroaniline		---	---	---	---
4-Nitrophenol		---	---	---	---
Bis(2-ethylhexyl)phthalate		---	---	---	---
2-Methyl-4,6-dinitrophenol		---	---	---	---
Fluorane		---	---	---	---
Pyrene		---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-05 D-5 10/20/93	D-06 D-6 09/13/90	D-06 D-6 01/09/91	D-06 D6-1145 05/30/91
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
Pentachlorophenol		---	< 51 U	< 52 U	< 52 U
Pentachlorophenol (GC/ECD)		3590	---	---	---
2-Chlorophenol		---	< 10 U	< 10 U	< 10 U
Phenol		---	< 10 U	< 10 U	< 10 U
2-Methylphenol		---	< 10 U	< 10 U	< 10 U
4-Methylphenol		---	< 10 U	< 10 U	< 10 U
2-Methylnaphthalene		---	< 10 U	< 10 U	< 10 U
Nitrobenzene		---	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol		---	< 10 U	< 10 U	< 10 U
Benzoic acid		---	< 51 U	< 52 U	< 52 U
2,4-Dichlorophenol		---	< 10 U	< 10 U	< 10 U
1,2,4-Trichlorobenzene		---	< 10 U	< 10 U	< 10 U
Naphthalene		---	< 10 U	< 10 U	< 10 U
2,4,6-Trichlorophenol		---	< 10 U	< 10 U	< 10 U
2,4,5-Trichlorophenol		---	< 51 U	< 52 U	< 52 U
Acenaphthene		---	< 10 U	< 10 U	< 10 U
3-Nitroaniline		---	< 51 U	< 52 U	< 52 U
4-Nitrophenol		---	< 51 U	< 52 U	< 52 U
Bis(2-ethylhexyl)phthalate		---	< 10 U	< 10 U	< 10 U
2-Methyl-4,6-dinitrophenol		---	< 51 U	< 52 U	< 52 U
Fluorane		---	< 10 U	< 10 U	< 10 U
		---	---	---	---
Pyrene		---	< 10 U	< 10 U	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-06	D-06	D-06	D-06
	SAMPLE ID	D6-925	D-6	D-6	EPA Sample
	DATE	09/25/91	12/18/91	01/16/92	01/16/92
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	<0.05
2,3,4,5-Tetrachlorophenol		---	---	---	<0.05
Pentachlorophenol		<51 U	---	---	<0.03#
Pentachlorophenol (GC/ECD)		---	<1	<1	---
2-Chlorophenol		<10 U	---	---	<1
Phenol		<10 U	---	---	<1
2-Methylphenol		<10 U	---	---	<1
4-Methylphenol		<10 U	---	---	<1
2-Methylnaphthalene		<10 U	---	---	<1
Nitrobenzene		<10 U	---	---	<1
2,4-Dimethylphenol		<10 U	---	---	<1
Benzoic acid		<51 U	---	---	<16
2,4-Dichlorophenol		<10 U	---	---	---
1,2,4-Trichlorobenzene		<10 U	---	---	<1#
Naphthalene		<10 U	---	---	<1#
2,4,6-Trichlorophenol		<10 U	---	---	<0.1#
2,4,5-Trichlorophenol		<51 U	---	---	<0.2#
Acenaphthene		<10 U	---	---	<1
3-Nitroaniline		<51 U	---	---	<16 J
4-Nitrophenol		<51 U	---	---	<8 J
Bis(2-ethylhexyl)phthalate		<10 U	---	---	<10
2-Methyl-4,6-dinitrophenol		<51 U	---	---	<16
Fluorane		<10 U	---	---	<1
		---	---	---	<1
Pyrene		<10 U	---	---	<1

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---=Not analyzed

= Constituent in more than one test method, highest result reported.

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-06	D-06	D-06	D-06
	SAMPLE ID	D-6	D-6	D-6	D-6
	DATE	07/14/92	10/27/92	02/03/93	05/12/93
2,3,5,6-Tetrachlorophenol		<1.0	---	<1.0	<10
2,3,4,6-Tetrachlorophenol		<1.0	---	<1.0	<10
2,3,4,5-Tetrachlorophenol		<1.0	---	<1.0	<10
Pentachlorophenol		<1.0	---	<1.0	<10
Pentachlorophenol (GC/ECD)		---	<1 U	---	---
2-Chlorophenol		---	---	---	---
Phenol		---	---	---	---
2-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2-Methylnaphthalene		---	---	---	---
Nitrobenzene		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
Benzoic acid		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
1,2,4-Trichlorobenzene		---	---	---	---
Naphthalene		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
Acenaphthene		---	---	---	---
3-Nitroaniline		---	---	---	---
4-Nitrophenol		---	---	---	---
Bis(2-ethylhexyl)phthalate		---	---	---	---
2-Methyl-4,6-dinitrophenol		---	---	---	---
Fluorane		---	---	---	---
Pyrene		---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-06 D-6 07/15/93	D-06 D-6 10/20/93	D-07 D-7 09/13/90	D-07 D7-1105 05/30/91
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---	---
Pentachlorophenol		---	---	<50 U	<54 U
Pentachlorophenol (GC/ECD)		<1	1	---	---
2-Chlorophenol		---	---	<10 U	<11 U
Phenol		---	---	740 E	<11 U
2-Methylphenol		---	---	<10 U	<11 U
4-Methylphenol		---	---	55	<11 U
2-Methylnaphthalene		---	---	<10 U	<11 U
Nitrobenzene		---	---	<10 U	<11 U
2,4-Dimethylphenol		---	---	<10 U	<11 U
Benzole acid		---	---	<50 U	<54 U
2,4-Dichlorophenol		---	---	<10 U	<11 U
1,2,4-Trichlorobenzene		---	---	<10 U	<11 U
Naphthalene		---	---	<10 U	<11 U
2,4,6-Trichlorophenol		---	---	<10 U	<11 U
2,4,5-Trichlorophenol		---	---	<50 U	<54 U
Acenaphthene		---	---	<10 U	<11 U
3-Nitroanilino		---	---	<50 U	<54 U
4-Nitrophenol		---	---	<50 U	<54 U
Bis(2-ethylhexyl)phthalate		---	---	<10 U	<11 U
2-Methyl-4,6-dinitrophenol		---	---	<50 U	<54 U
Fluorene		---	---	<10 U	<11 U
		---	---	---	---
Pyrene		---	---	<10 U	<11 U

Values represent total concentrations unless noted < =Not detected at indicated reporting limit ---= Not analyzed

For RCL SEMIVOLS

Weyco Aberdeen

Date: 02/07/96

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-07 D7-925 09/25/91	D-07 D-7 12/18/91	D-07 EPA Sample 01/16/92	D-07 D-7 WEY-AB 01/16/92
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	<0.05	---
2,3,4,5-Tetrachlorophenol		---	---	<0.05	---
Pentachlorophenol		<51 U	---	<0.04#	---
Pentachlorophenol (GC/ECD)		---	<1	---	<1
2-Chlorophenol		<10 U	---	<7	---
Phenol		<10 U	---	<7	---
2-Methylphenol		<10 U	---	<7	---
4-Methylphenol		<10 U	---	<7	---
2-Methylnaphthalene		<10 U	---	<7	---
Nitrobenzene		<10 U	---	<7	---
2,4-Dimethylphenol		<10 U	---	<7	---
Benzoic acid		<51 U	---	<83	---
2,4-Dichlorophenol		<10 U	---	---	---
1,2,4-Trichlorobenzene		<10 U	---	<7#	---
Naphthalene		<10 U	---	<7#	---
2,4,6-Trichlorophenol		<10 U	---	<0.09#	---
2,4,5-Trichlorophenol		<51 U	---	<0.18#	---
Acenaphthene		<10 U	---	<7	---
3-Nitroaniline		<51 U	---	<83 J	---
4-Nitrophenol		<51 U	---	<42	---
Bis(2-ethylhexyl)phthalate		(B) J	---	<18 J	---
2-Methyl-4,6-dinitrophenol		<51 U	---	<83	---
Fluorene		<10 U	---	<7	---
		---	---	18 J	---
Pyrene		<10 U	---	<7 J	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-07 D-7 07/14/92	D-07 D-7 10/27/92	D-07 D-7 02/03/93	D-07 D-7 05/12/93
2,3,5,6-Tetrachlorophenol		<1.0	---	<1.0	<10
2,3,4,6-Tetrachlorophenol		<1.0	---	<1.0	<10
2,3,4,5-Tetrachlorophenol		<1.0	---	<1.0	<10
Pentachlorophenol		<1.0	---	<1.0	<10
Pentachlorophenol (GC/ECD)		---	<1 U	---	---
2-Chlorophenol		---	---	---	---
Phenol		---	---	---	---
2-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2-Methylnaphthalene		---	---	---	---
Nitrobenzene		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
Benzoic acid		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
1,2,4-Trichlorobenzene		---	---	---	---
Naphthalene		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
Acenaphthene		---	---	---	---
3-Nitroaniline		---	---	---	---
4-Nitrophenol		---	---	---	---
Bis(2-ethylhexyl)phthalate		---	---	---	---
2-Methyl-4,6-dinitrophenol		---	---	---	---
Fluorene		---	---	---	---
Pyrene		---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT	(Units in ug/l)	SITE	D-07	D-07	D-08	D-08
		SAMPLE ID	D-7	D-7	D-8	D-8
		DATE	07/16/93	10/20/93	09/13/90	01/09/91
2,3,5,6-Tetrachlorophenol			---	---	---	---
2,3,4,6-Tetrachlorophenol			---	---	---	---
2,3,4,5-Tetrachlorophenol			---	---	---	---
Pentachlorophenol			---	---	< 50 U	< 52 U
Pentachlorophenol (GC/ECD)			< 1	< 1	---	---
2-Chlorophenol			---	---	< 10 U	< 10 U
Phenol			---	---	280	< 10 U
2-Methylphenol			---	---	< 10 U	< 10 U
4-Methylphenol			---	---	54	< 10 U
2-Methylnaphthalene			---	---	< 10 U	< 10 U
Nitrobenzene			---	---	< 10 U	< 10 U
2,4-Dimethylphenol			---	---	< 10 U	< 10 U
Benzoic acid			---	---	< 50 U	< 52 U
2,4-Dichlorophenol			---	---	< 10 U	< 10 U
1,2,4-Trichlorobenzene			---	---	< 10 U	< 10 U
Naphthalene			---	---	< 10 U	< 10 U
2,4,6-Trichlorophenol			---	---	< 10 U	< 10 U
2,4,5-Trichlorophenol			---	---	< 50 U	< 52 U
Acenaphthene			---	---	< 10 U	< 10 U
3-Nitroaniline			---	---	< 50 U	< 52 U
4-Nitrophenol			---	---	< 50 U	< 52 U
Bis(2-ethylhexyl)phthalate			---	---	< 10 U	< 10 U
2-Methyl-4,6-dinitrophenol			---	---	< 50 U	< 52 U
Fluorane			---	---	< 10 U	< 10 U
			---	---	---	---
Pyrene			---	---	< 10 U	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-08	D-08	D-08	D-08
	SAMPLE ID DATE	D8-1030 05/30/91	D8-925 09/25/91	D-8 12/18/91	EPA Sample 01/16/92
2,3,5,6-Tetrachlorophenol		---	---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---	0.86
2,3,4,5-Tetrachlorophenol		---	---	---	0.09
Pentachlorophenol		< 51 U	(3) J	---	(5) # J
Pentachlorophenol (GC/ECD)		---	---	< 1	---
2-Chlorophenol		< 10 U	< 10 U	---	< 7
Phenol		< 10 U	< 10 U	---	< 7
2-Methylphenol		< 10 U	< 10 U	---	< 7
4-Methylphenol		< 10 U	< 10 U	---	< 7
2-Methylnaphthalene		< 10 U	< 10 U	---	(0.4) J
Nitrobenzene		< 10 U	< 10 U	---	< 7
2,4-Dimethylphenol		< 10 U	< 10 U	---	< 7
Benzoic acid		< 51 U	< 52 U	---	< 82
2,4-Dichlorophenol		< 10 U	< 10 U	---	---
1,2,4-Trichlorobenzene		< 10 U	< 10 U	---	< 7 #
Naphthalene		< 10 U	< 10 U	---	1 # J
2,4,6-Trichlorophenol		< 10 U	< 10 U	---	< 0.09 #
2,4,5-Trichlorophenol		< 51 U	< 52 U	---	< 0.17 #
Acenaphthene		< 10 U	< 10 U	---	< 7
3-Nitroaniline		< 51 U	< 52 U	---	< 82 J
4-Nitrophenol		< 51 U	< 52 U	---	< 41
Bis(2-ethylhexyl)phthalate		< 10 U	(8) J	---	< 22
2-Methyl-4,6-dinitrophenol		< 51 U	< 52 U	---	< 82
Fluorene		< 10 U	< 10 U	---	< 7
		---	---	---	10
Pyrene		< 10 U	< 10 U	---	(0.5) J

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported. () = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-08	D-08	D-08	D-08
	SAMPLE ID	D-8 WEY AB	D-8	D-8	D-8
	DATE	01/16/92	07/14/92	10/27/92	02/03/93
2,3,5,6-Tetrachlorophenol		---	<1.0	---	<1.0
2,3,4,6-Tetrachlorophenol		---	<1.0	---	<1.0
2,3,4,5-Tetrachlorophenol		---	<1.0	---	<1.0
Pentachlorophenol		---	1.3	---	<1.0
Pentachlorophenol (GC/ECD)		<1	---	<1 U	---
2-Chlorophenol		---	---	---	---
Phenol		---	---	---	---
2-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2-Methylnaphthalene		---	---	---	---
Nitrobenzene		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
Benzoic acid		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
1,2,4-Trichlorobenzene		---	---	---	---
Naphthalene		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
Acenaphthene		---	---	---	---
3-Nitroaniline		---	---	---	---
4-Nitrophenol		---	---	---	---
Bis(2-ethylhexyl)phthalate		---	---	---	---
2-Methyl-4,6-dinitrophenol		---	---	---	---
Fluorane		---	---	---	---
		---	---	---	---
Pyrene		---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-08	D-08	D-08	D-09
	SAMPLE ID	D-8	D-8	D-8	D-9
	DATE	05/12/93	07/15/93	10/20/93	09/13/90
2,3,5,6-Tetrachlorophenol		< 10	---	---	---
2,3,4,6-Tetrachlorophenol		< 10	---	---	---
2,3,4,5-Tetrachlorophenol		< 10	---	---	---
Pentachlorophenol		< 10	---	---	< 51 U
Pentachlorophenol (GC/ECD)		---	< 1	< 1	---
2-Chlorophenol		---	---	---	< 10 U
Phenol		---	---	---	23
2-Methylphenol		---	---	---	5 J
4-Methylphenol		---	---	---	< 10 U
2-Methylnaphthalene		---	---	---	17
Nitrobenzene		---	---	---	< 10 U
2,4-Dimethylphenol		---	---	---	< 10 U
Benzoic acid		---	---	---	8 J
2,4-Dichlorophenol		---	---	---	< 10 U
1,2,4-Trichlorobenzene		---	---	---	< 10 U
naphthalene		---	---	---	23
2,4,6-Trichlorophenol		---	---	---	< 10 U
2,4,5-Trichlorophenol		---	---	---	< 51 U
Acenaphthene		---	---	---	< 10 U
3-Nitroaniline		---	---	---	< 51 U
4-Nitrophenol		---	---	---	< 51 U
Bis(2-ethylhexyl)phthalate		---	---	---	< 10 U
2-Methyl-4,6-dinitrophenol		---	---	---	< 51 U
Fluorene		---	---	---	< 10 U
		---	---	---	---
Pyrene		---	---	---	< 10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-09 D-9 01/09/91	D-09 D9-0945 05/30/91	D-09 D9-925 09/25/91	D-09 D-9 12/18/91
2,3,5,6-Tetrachlorophenol		--	--	--	--
2,3,4,6-Tetrachlorophenol		--	--	--	--
2,3,4,5-Tetrachlorophenol		--	--	--	--
Pentachlorophenol		< 52 U	< 52 U	< 51 U	--
Pentaohlorophenol (GC/ECD)		--	--	--	< 1
2-Chlorophenol		< 10 U	< 10 U	< 10 U	--
Phenol		< 10 U	< 10 U	< 10 U	--
2-Methylphenol		< 10 U	< 10 U	< 10 U	--
4-Methylphenol		< 10 U	< 10 U	< 10 U	--
2-Methylnaphthalene		16	(9) J	(9) J	--
Nitrobenzene		< 10 U	< 10 U	(9) J	--
2,4-Dimethylphenol		< 10 U	< 10 U	< 10 U	--
Benzoic acid		< 52 U	< 52 U	< 51 U	--
2,4-Dichlorophenol		< 10 U	< 10 U	< 10 U	--
1,2,4-Trichlorobenzene		< 10 U	< 10 U	< 10 U	--
Naphthalene		16	(9) J	(7) J	--
2,4,6-Trichlorophenol		< 10 U	< 10 U	< 10 U	--
2,4,5-Trichlorophenol		< 52 U	< 52 U	< 51 U	--
Acenaphthene		< 10 U	< 10 U	< 10 U	--
3-Nitroaniline		< 52 U	< 52 U	< 51 U	--
4-Nitrophenol		< 52 U	< 52 U	< 51 U	--
Bis(2-ethylhexyl)phthalate		< 10 U	(4) J	< 10 U	--
2-Methyl-4,6-dinitrophenol		< 52 U	< 52 U	< 51 U	--
Fluorene		< 10 U	< 10 U	< 10 U	--
		--	--	--	--
Pyrene		< 10 U	< 10 U	< 10 U	--

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

() = Less than Detection Limit

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE	D-09	D-09	D-09	D-09
	SAMPLE ID	D-9	D-9	D-9	D-9
	DATE	07/14/92	10/27/92	02/03/93	05/12/93
2,3,5,6-Tetrachlorophenol		< 1.0	---	< 1.0	< 10
2,3,4,6-Tetrachlorophenol		< 1.0	---	< 1.0	< 10
2,3,4,5-Tetrachlorophenol		< 1.0	---	< 1.0	< 10
Pentachlorophenol		< 1.0	---	< 1.0	< 10
Pentachlorophenol (GC/ECD)		---	< 1 U	---	---
2-Chlorophenol		---	---	---	---
Phenol		---	---	---	---
2-Methylphenol		---	---	---	---
4-Methylphenol		---	---	---	---
2-Methylnaphthalene		---	---	---	---
Nitrobenzene		---	---	---	---
2,4-Dimethylphenol		---	---	---	---
Benzoic acid		---	---	---	---
2,4-Dichlorophenol		---	---	---	---
1,2,4-Trichlorobenzene		---	---	---	---
Naphthalene		---	---	---	---
2,4,6-Trichlorophenol		---	---	---	---
2,4,5-Trichlorophenol		---	---	---	---
Acenaphthene		---	---	---	---
3-Nitroaniline		---	---	---	---
4-Nitrophenol		---	---	---	---
Bis(2-ethylhexyl)phthalate		---	---	---	---
2-Methyl-4,6-dinitrophenol		---	---	---	---
Fluorene		---	---	---	---
Pyrene		---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID DATE	D-09 D-9 07/15/93	D-09 D-9 10/20/93	PURGEWATER DRUM SAMPLE 05/25/90
2,3,5,6-Tetrachlorophenol		---	---	---
2,3,4,6-Tetrachlorophenol		---	---	---
2,3,4,5-Tetrachlorophenol		---	---	---
Pentachlorophenol		---	---	850 E
Pentachlorophenol (GC/ECD)		<1	<1	---
2-Chlorophenol		---	---	<10 U
Phenol		---	---	4 J
2-Methylphenol		---	---	<10 U
4-Methylphenol		---	---	2 J
2-Methylnaphthalene		---	---	<10 U
Nitrobenzene		---	---	<10 U
2,4-Dimethylphenol		---	---	<10 U
Benzoic acid		---	---	41 J
2,4-Dichlorophenol		---	---	<10 U
1,2,4-Trichlorobenzene		---	---	<10 U
Naphthalene		---	---	<10 U
2,4,6-Trichlorophenol		---	---	<10 U
2,4,5-Trichlorophenol		---	---	18 J
Acenaphthene		---	---	<10 U
3-Nitroaniline		---	---	<52 U
4-Nitrophenol		---	---	<52 U
Bis(2-ethylhexyl)phthalate		---	---	<10 U
2-Methyl-4,6-dinitrophenol		---	---	<52 U
Fluorane		---	---	<10 U
		---	---	---
Pyrene		---	---	<10 U

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SEMIVOLS



EMCON

18912 North Creek Parkway • Suite 200 • Bothell, Washington 98011-8016 • (425) 485-5000 • Fax (425) 486-9766

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APR 14 1998

ENVIRONMENTAL

April 13, 1998
Project 40141-077.001

Mr. Dom Reale
Washington State Department of Ecology
Toxics Cleanup Program
Olympia, Washington 98504-7775

Re: IRAP Report Addendum
Weyerhaeuser Aberdeen Sawmill
Aberdeen, Washington

Dear Mr. Reale:

On behalf of the Weyerhaeuser Company (Weyerhaeuser), EMCON is submitting this addendum to the Independent Remedial Action Program (IRAP) Report, dated January 17, 1997, for the above-referenced site. The work described in this document was performed based on the Washington Department of Ecology's (Ecology) verbal response after reviewing the IRAP report, and includes the following:

- Collection of additional groundwater data
- Revisions to the restrictive covenant for the property

BACKGROUND

As stated in the January 1997 IRAP report, a series of site assessments, site characterizations, soil remediation and groundwater monitoring were conducted at the site from May 1990 to October 1993.

As part of a remedial action program, Weyerhaeuser excavated approximately 522 tons of material contaminated with pentachlorophenol (PCP) from beneath the grader building area at its Aberdeen sawmill facility. Excavation in several areas was limited by accessibility problems and building foundation concerns. Further excavation of the PCP-contaminated soil in these areas was determined to be impractical. Soil samples collected at the limits of the excavation in some areas exceeded the Model Toxics Control Act (MTCA)¹ Method C cleanup levels for PCP. All the excavated areas have been backfilled with clean fill, and

¹ Chapter 173-340 WAC, "The Model Toxics Control Act Cleanup Regulation; Method A Cleanup Levels." Amended January 1996.



some have been paved and are located inside the grader building under cover. The soil boring and soil sample results at the limits of the excavation suggest that a localized area of PCP-impacted soil and debris remains in place.

Groundwater sampling at the site from 1990 to 1993 identified high levels of PCP in a localized area around monitoring well D-05. Slightly elevated levels of PCP have been detected infrequently in the other wells. A statistical evaluation of the data indicates that migration of PCP toward the Chehalis River is not occurring at concentrations exceeding the ambient water quality criteria (AWQC).

Ecology stated that prior to granting "No Further Action" status for the site, Weyerhaeuser would have to demonstrate that PCP in groundwater was not bypassing the monitoring well network hydraulically downgradient of well D-05 (see Figure 1). Ecology agreed that this demonstration could be made by collecting a one time groundwater sample from a location between monitoring well D-06 and D-07 as shown on Figure 1.

In addition, Ecology requested that the restrictive covenant for the property be revised to be consistent with the new standard language for restrictive covenants issued under the MTCA.

ADDITIONAL GROUNDWATER DATA

Groundwater Sampling Activities

On August 27, 1997, Transglobal Environmental Geosciences (TEG) of Olympia, Washington drilled boring, GP-1, to the northwest of the planer infeed area (see attached figure). The boring was advanced using a hydraulic driven strataprobe drill rig. The boring was advanced to the water table at approximately 4.9 feet (ft) below ground surface (bgs). The subsurface lithology consisted mainly of sand and silty sand (see attached boring log). TEG advanced a temporary well screen which was set into the water table from approximately 4.5 to 7.0 ft bgs. The temporary well was purged using a peristaltic pump with new, clean, disposable PVC tubing. EMCON recorded field parameters of pH, specific conductivity, and temperature (see attached Field Sampling Data Sheet). After the field parameters stabilized to within 10 percent of the previous reading, EMCON collected water sample, GP-1-082797. The sample was submitted to the Weyerhaeuser Technology Center in Federal Way, Washington under standard chain of custody protocol for PCP analysis using United States Environmental Protection Agency Method 8151M.

Sampling Results and Conclusions

Review of groundwater sample laboratory results indicated that the groundwater sample collected from GP-1 did not contain PCP concentrations above the method reporting limits. Copies of the laboratory report and the chain of custody form are attached.

The results of the remediation and groundwater monitoring activities described in the January 1997 IRAP report and the results of the one time groundwater sample collected during August 1997, demonstrate that concentrations of pentachlorophenol in groundwater hydraulically downgradient of well D-05 do not exceed the AWQC.

Based on the information available to EMCON at this time, PCP groundwater concentrations above the AWQC do not appear to be bypassing the monitoring well network toward the Chehalis River. The additional groundwater monitoring activity described in this addendum demonstrates that groundwater concentrations do not exceed site cleanup levels.

RESTRICTIVE COVENANT

As part of the January 17, 1997 IRAP report, Weyerhaeuser included a restrictive covenant for the subject property dated November 15, 1996. This covenant was prepared consistent with the standard Ecology language in place at that time and was recorded with the Grays Harbor County Auditor. During discussions regarding the IRAP report in mid-1997, Ecology indicated that Ecology had changed the standard language for restrictive covenants and suggested that Weyerhaeuser revise the covenant for the site consistent with this changed standard.

Attachment B includes a copy of the "Rescission and Replacement of Restrictive Covenant" which rescinds the November 15, 1996 restrictive covenant and replaces it with a new covenant that meets the new Ecology requirements.

SUMMARY

Weyerhaeuser has addressed the two comments of Ecology on the January 17, 1997 IRAP report by:

- Collecting a groundwater sample downgradient of monitoring well D-05 that did not contain PCP above method reporting limits. This demonstrates that PCP does

Mr. Dom Reale
April 13, 1998
Page 4

Project 40141-077.001

not appear to be bypassing the existing monitoring well network or migrating to the Chehalis River at concentrations above AWQC.


- Replacing the old restrictive covenant with a new document prepared consistent with current Ecology requirements for these documents.

On the basis of the above information, Weyerhaeuser requests a determination of "No Further Action" for the Weyerhaeuser Aberdeen sawmill grader building.

If you have any questions please call Brian O'Neal at (425) 485-5000.

Sincerely,

EMCON

fu 
Brian O'Neal, P.E.
Project Manager

Attachments: Limitations

- Attachment A - Groundwater Sampling and Analysis Data
 - Figure 1 - Site Map
 - Field Sampling Data Sheet
 - Boring Log
 - Laboratory Data and Chain of Custody Form
- Attachment B - Revised Restrictive Covenant

cc/att: Mr. Ken Johnson - Weyerhaeuser Company, Office of the Environment
Mr. Joe Jackowski - Weyerhaeuser Company, Office of the Environment
Ms. Helen Bond - Weyerhaeuser Company, Aberdeen Lumber

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

The purpose of a geologic/hydrogeologic study is to reasonably characterize existing site conditions based on the geology/hydrogeology of the area. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the site conditions and an exhaustive analysis of each conceivable environmental characteristic. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to describe all geologic/ hydrogeologic conditions of interest at a given site. If conditions have not been identified during the study, such a finding should not therefore be construed as a guarantee of the absence of such conditions at the site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

We are unable to report on or accurately predict events that may change the site conditions after the described services are performed, whether occurring naturally or caused by external forces. We assume no responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when services were performed.

Geologic/hydrogeologic conditions may exist at the site that cannot be identified solely by visual observation. Where subsurface exploratory work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

PACIFIC OPERATING UNIT
TWIN HARBORS
03-02

CHEHALIS RIVER

Gov't. Lot 2

TRACT 2
1
7

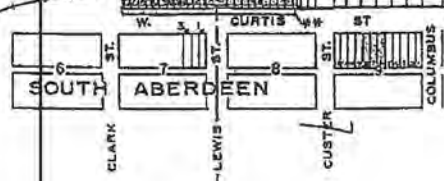
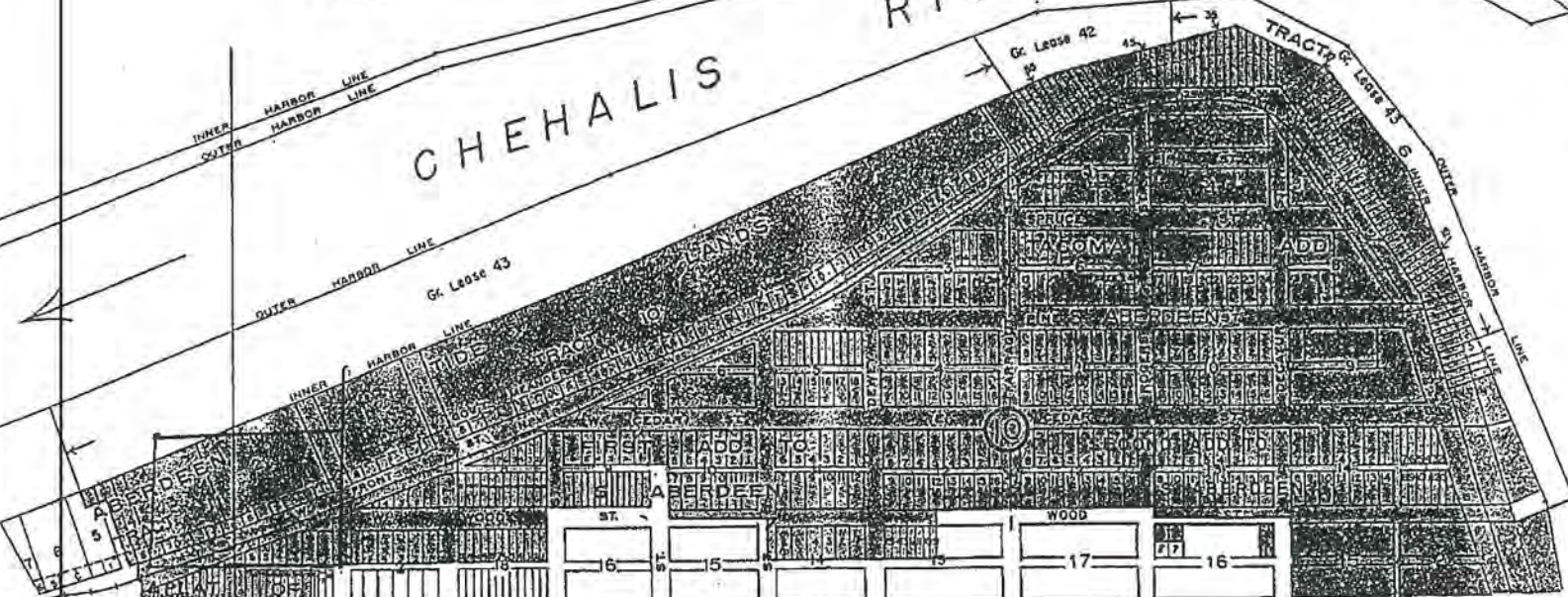
WATERWAY

ST. TRACT 5
Gr. Lease 48

TRACT 6
Gr. Lease 43

Gr. Lease 42

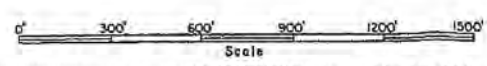
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OUTER HARBOR LINE
Gr. Lease 43



GRAYS HARBOR COUNTY
53027

ABERDEEN MILL &
SORTING YARDSITE

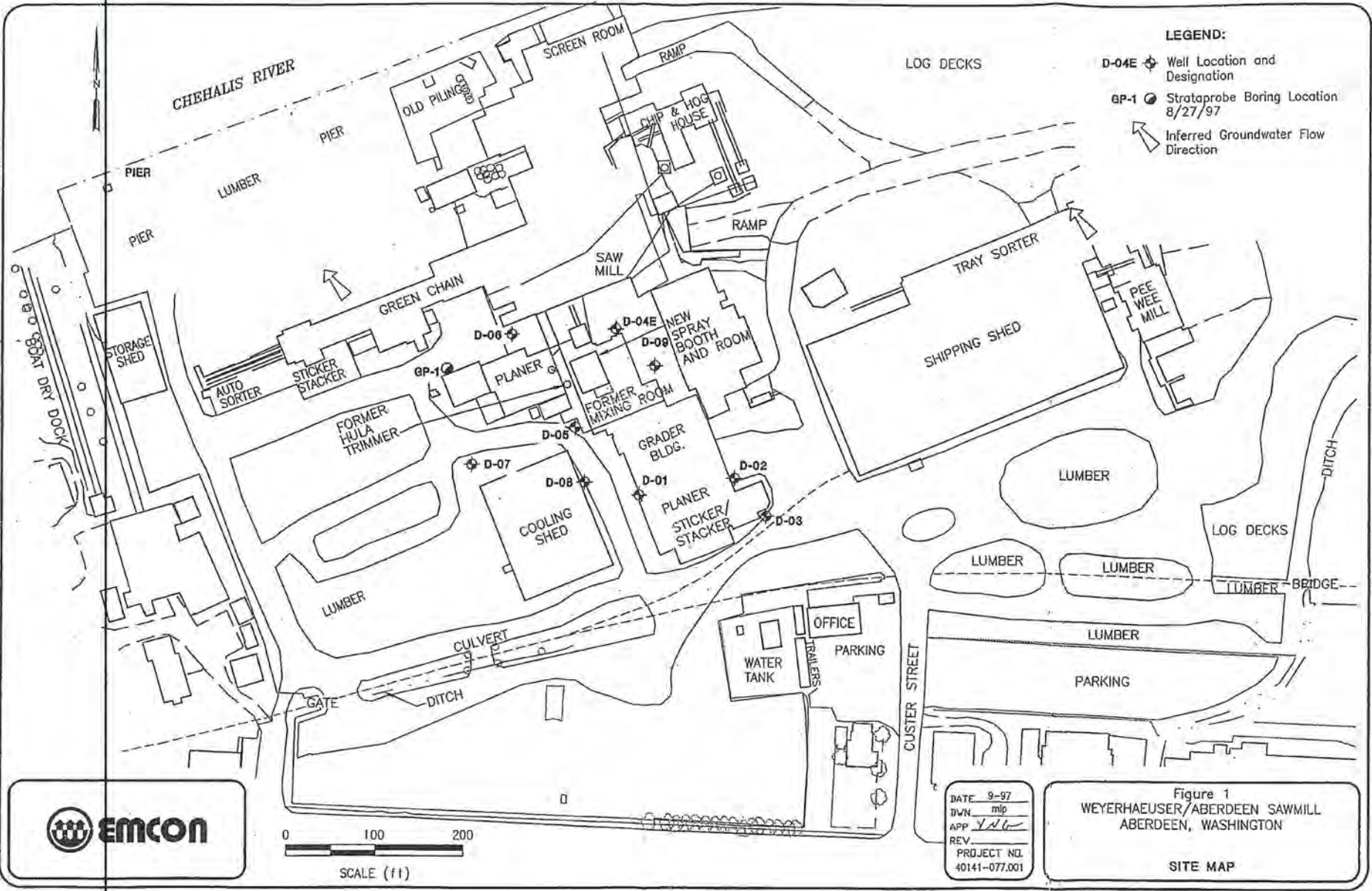
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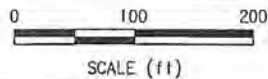
PAGE 1

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LEGEND:

- D-04E Well Location and Designation
- GP-1 Strataprobe Boring Location 8/27/97
- Inferred Groundwater Flow Direction



DATE 9-97
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Figure 1
 WEYERHAEUSER/ABERDEEN SAWMILL
 ABERDEEN, WASHINGTON
 SITE MAP