# WEYERHAEUSER ABERDEEN SAWMILL ABERDEEN, WASHINGTON

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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."

# 2.1 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 Weyerhauser. 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. concentrations of bis(2-ethylhexyl) phthalate probably represent laboratory contamination. Other semivolatile organic compounds were detected, but at low concentrations, including naphthalene, (2-chloroisopropyl) ether. benzoic acid. 4-methylphenol, 2-methylnaphthalene, phenanthrene, anthracene, di-n-butylphthalate, fluoranthene, pyrene, benzo(a)anthracene, and di-n octyl phthatate.

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 (µg/L). PCP was detected in monitoring well D-02 only during the May 1990 sampling, at a concentration of 83 µg/L. PCP was detected at low levels in monitoring well D-04e, with concentrations estimated from 6 to 24 µg/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, 1,2,4-trichlorobenzene. 2,4-dichlorophenol, acid. benzoic 2,4-dimethylphenol, 2-methylnaphthalene, 2.4.6-trichlorophenol, 4-chloro-3-methyphenol, naphthalene, 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.

#### 3.1 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 pentachlorphenate hydrolyzes to form PCP, both sodium pentachlorphenate 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 polycholinated 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 μg/L, compared with a total metals concentration of 5 μg/L. For mercury, the dissolved metals concentration was less than 0.02 μg/L, compared with a total metals concentration of 0.4 μg/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 brown<sup>1</sup> 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

<sup>1 &</sup>quot;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 μg/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 μg/L, and in the August 1990 sampling at a concentration of 6 μg/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 μg/L. PCP was detected only once in monitoring well D-08, in July 1992 at a concentration of 1.3 μg/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).

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- · 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.

#### 7.1 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<sub>oc</sub>), 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<sup>TM</sup> 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 I 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 160tons 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.

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#### 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.

#### 8.1 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-tetrachlorphenol, 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  $\mu$ g/L. 2,3,5,6- and 2,3,4,5-tetrachlorophenol were both detected twice, with maximum concentrations of 1,200  $\mu$ g/L and 2,300  $\mu$ g/L. 2,4,5- and 2,4,6 trichlorophenol were detected two and four times, at maximum concentrations of 420 and 8  $\mu$ g/L.

EMCON determined that the PCP data for well D-05 had a lognormal distribution. The 95 percent upper confidence limit on the mean (UCL<sub>95</sub>) 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 AWOC.

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

						Moni	toring Well	and Date S	ampled					
	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
Constituent	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-Dime hylphenol	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	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	2.5	20U	7.1	81	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	3J	<b>6</b> J	10U	ND	ND	17						
2,4,6-Trichlorophenol	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	2Ј	20U	ND	ND	4J	ND	ND	ND	ND	ND	ND	ND

Note: Al concentrations reported in µ/L.

NID = 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

		Water Elevation	(3/30 - 3/31/96) <sup>a</sup>	
Location	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.

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
Соррег	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)

Weverhaeuser Sawmill

### 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, Red	uirement, Criteria, Limitation	Citation	Description	Comments
Hazardous Was Control Act	te Cleanup Model Toxics	Chapter 70.15D RCW	Gives the Department of Ecology power to investigate and clean up hazardous waste sites.	
Model Toxics C	Control Act Cleanup Regulation	Chapter 173-340 WAC	Establishes processes and standards to investigate and clean up hazardous substances.	
• Gro	undwater Cleanup Standards	WAC 173-340-720	Standards applicable to groundwater cleanup.	
• Soi	Cleanup Standards	WAC 173-340-740	Standards applicable to soil cleanup.	
Minimum Stan Maintenance o	dards for Construction and 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 Wa	ste 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 S	ystem 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 W	ater Pollution Control Act	RCW 90.48 and 90.54	Regulates discharges into state waters.	Applicable to storm drain discharges of treated groundwater,
State NPDES P	ermitting Regulations	Chapter 173-220 WAC	Establishes effluent discharge permit requirements.	Applicable to storm drain discharges of treated groundwater.
Local POTW D	Pischarge 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)  • 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)	33 USCA 1251-1376 40 CFR 100-149	Federal act that established a system of minimum national effluent discharge standards; a construction grant program fo POTWs, ocean discharge requirements, and water quality criteria.	
Water Quality Criteria	Sect. 340 of CWA	Established criteria based on designated or potential use of the water and designated use of the receiving waters.	Nonenforceable guidance developed under CWA and used by states to set water quality standards. May be reflected in NPDES limitations.
		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.	Potentially applicable if treated water is discharged to surface water.
<ul> <li>National Pollutant Discharge Elimination System (NPDES) Permit</li> </ul>	40 CFR 122-235	Requirements for permits and limitations for discharges of effluent to surface waters.	Potentially applicable if treated water discharge to surface water.
<ul> <li>Discharge of Publicly Owned Treatment Works (POTW)</li> </ul>	Sec. 307 of CWA	Discharge from new sources to POTWs.	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			
Land Disposal Restrictions	40 CFR 264.250	Requirements that may prohibit placement of certain hazardous wastes in land disposal unit.	Hazardous waste could be generated if activated carbon is used as part of a remedial alternative.
<ul> <li>Incineration</li> </ul>	40 CFR 264.340	Requirements for incinerators of hazardous waste.	Potentially applicable if hazardous waste (e.g., spent activated carbon) generated on sit 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.		
September 1992	3 and 5	100 tons	Area 8 is complete  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  up levels, but additional sampling was performed by Weyerham	B-9

sampling in area, the area was classified as clean.

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

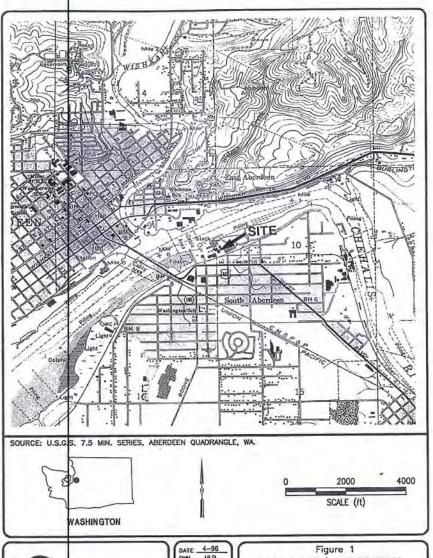
Date Laboratory Sampling Sampled Identification		Sampling Location/Description	Depth (ft)	PCP Concentratio (mg/kg)	
05/24/90 <sup>b</sup>	SAP-1	Surface soil		3.9 <sup>J</sup>	
03/24/90 <sup>b</sup>	CB-17	End of conveyor, 6 point composite	_	14	
09/07/90 <sup>b</sup>	NP-1-1	Grab	3	3.4	
07/20/90 <sup>b</sup>	NP1-3	Grab	4	670	
10/30/90 <sup>a</sup>	WFWP1	Foundation borehole - grab	2-3	0.075	
09/07/90 <sup>a</sup>	NP1-4	Sidewall grab	4	<66	
09/07/90 <sup>b</sup>	WN6	Sidewall	1	95 <sup>D</sup>	
	WN6 W5	Sidewall	2	180 <sup>D</sup>	
08/15/90 <sup>b</sup>		Sidewall, east of Area 2	4	5,600	
05/30/91 <sup>b</sup>	Wey-AB-204			5 <sup>J</sup>	
05/30/91ª	Wey-AB-208	Surface grab	2-4	<69 <sup>u</sup>	
05/30/91 <sup>a</sup>	Wey-AB-209	Grab	4-5	370 <sup>1</sup>	
08/15/92 <sup>b</sup>	301	5 point composite	6	2,300	
08/15/92°	302	Floor grab		190 <sup>1</sup>	
08/15/92°	303	5 point composite	3	680 <sup>D</sup>	
08/15/92°	304	North wall, 5 point composite		10.00	
08/22/91ª	501	Surface grab	2	1,200	
08/22/91ª	502	5 point composite	2- 3	560	
08/22/91a	503	5 point composite under slow down belt	1	340	
08/22/91 <sup>a</sup>	504	Floor - 5 point composite	6	700	
08/22/91ª	505	Wall - 4 point composite	2	130	
08/16/91ª	404	3 point composite	4	24	
08/16/91a	401	Grab - center Area 2	16*	1,500	
08/16/91ª	402	Grab - hot spot Area A	16*	4,700	
08/16/91ª	406	5 point composite	6 - 8*	2,300	
08/16/91 <sup>8</sup>	405	3 point composite	4	590	
08/16/91ª	403	Grab - south end under cross timbers	5	1,900	
09/22/92ª	4-8	Northeast corner grader	-	0,31	
09/22/92a	3-7	Northwest corner grader chain-grab	_	0,471	
09/22/92ª	5-9	Along conveyor clean sand & building	-	1.8	
09/15/92°	OE-1	East wall	3	1,000 <sup>B</sup>	
09/15/92ª	OE2	North wall of Area 3		2,1 <sup>B</sup>	
09/15/92a	OE-3	South wall	3	1,400 <sup>B</sup>	
09/15/92a	OE-4	Floor	5	6,000 <sup>B</sup>	
09/15/92 <sup>R</sup>	OE-5	West wall	3	5.5 <sup>B</sup>	
09/15/92 <sup>a</sup>	1-peripheral	Composite surface - 1 ft peripherally	1	290 <sup>D</sup>	
09/22/92 <sup>b</sup>	2-Center	Surface composite	1	560	

Value for diluted sample. NOTE: D

Estimated value

Compound analyzed for but not detected at medium level. Excavated/sampled below water table. U =

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

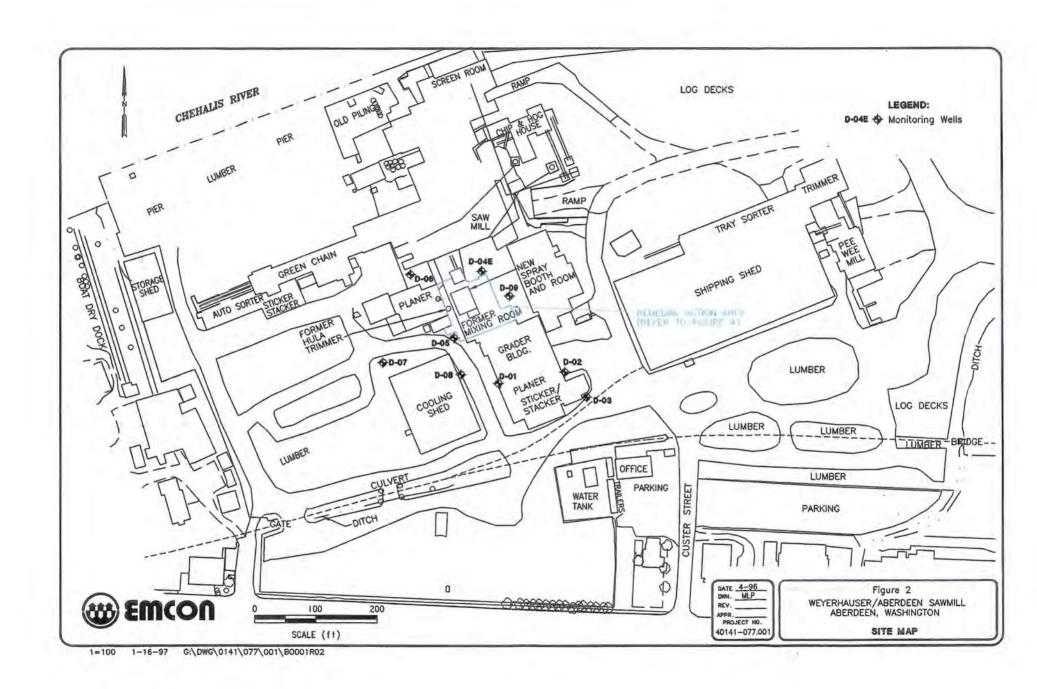


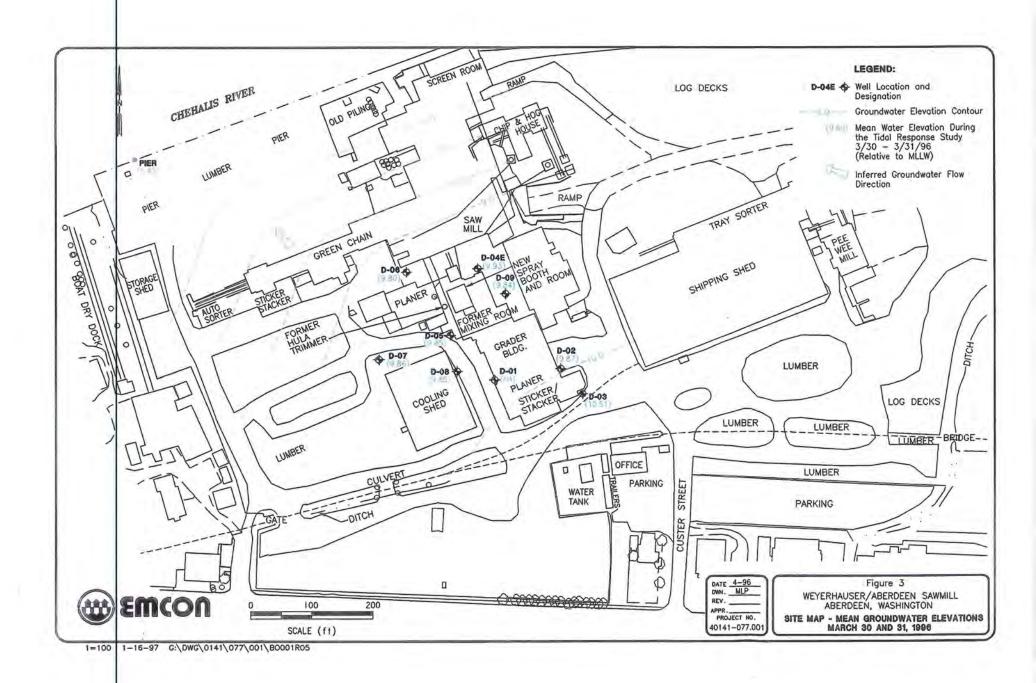


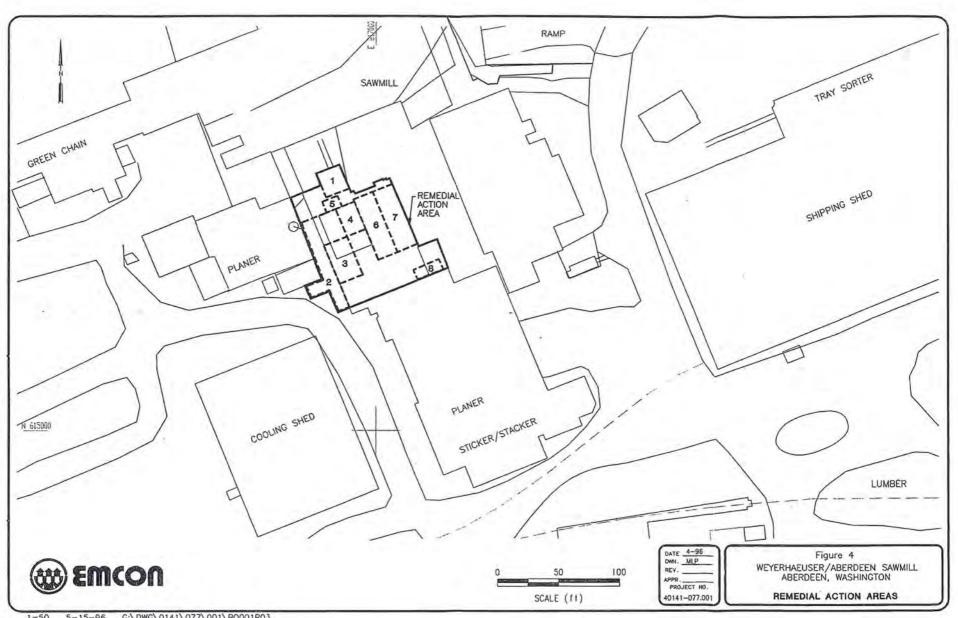
DATE 4-96 DWN. MLP REV. APPR. PROJECT NO. 40141-077,001

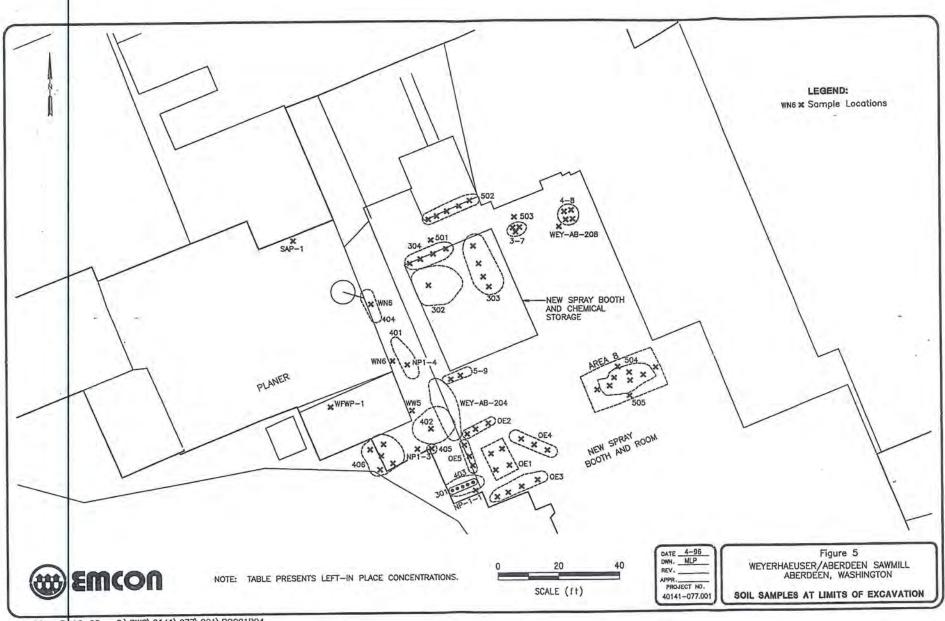
Figure 1 WEYERHAEUSER/ABERDEEN SAWMILL ABERDEEN, WASHINGTON

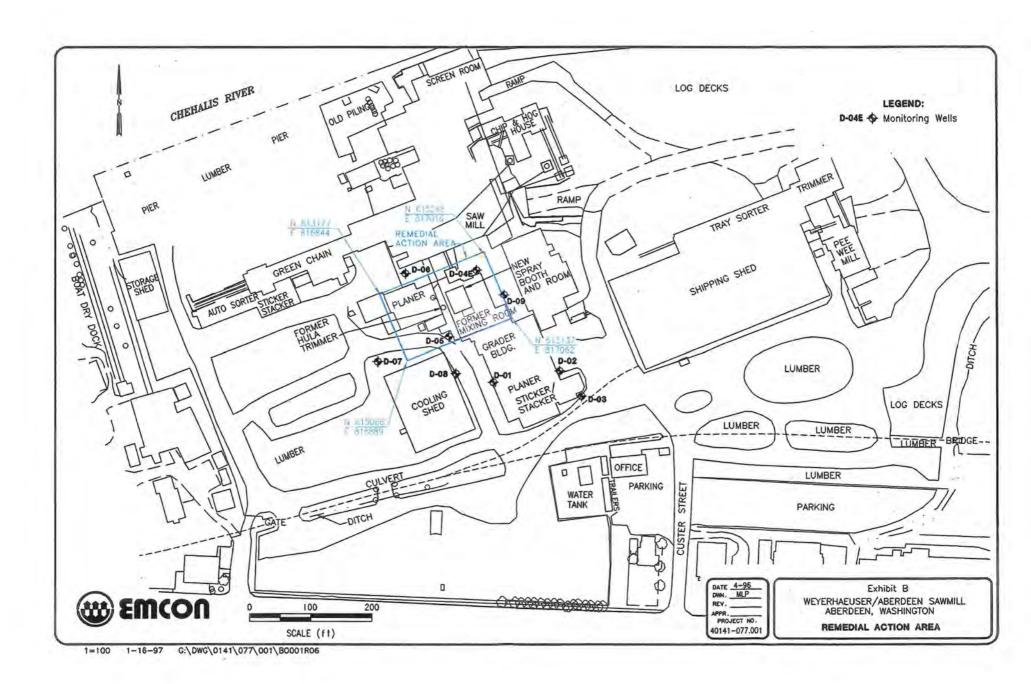
SITE VICINITY MAP







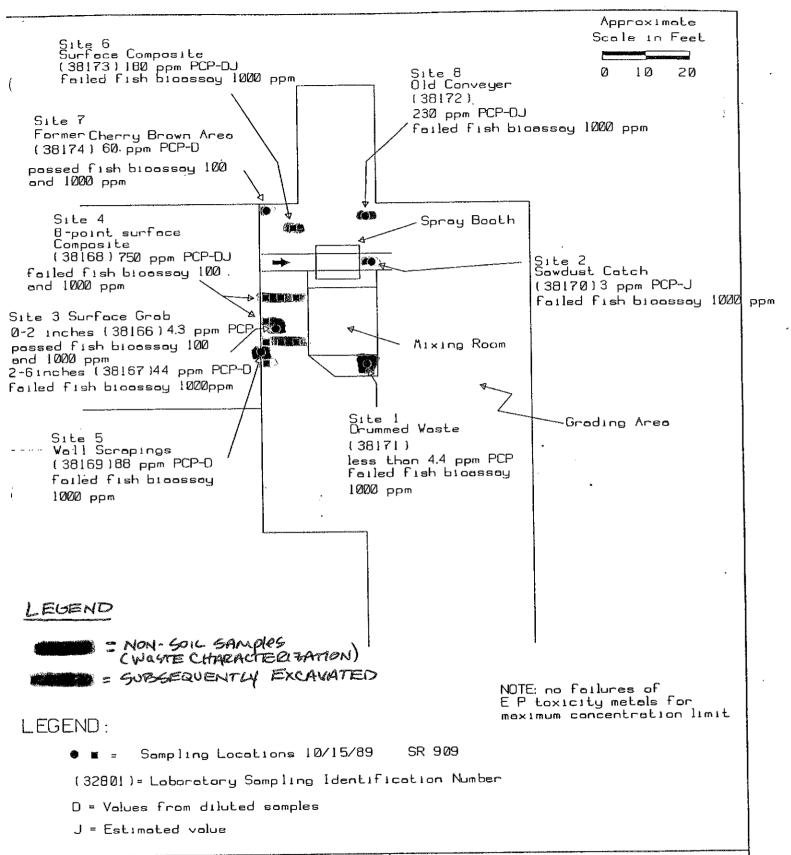




APPENDIX A: Independent Remedial Action Report Summary Form

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

## APPENDIX B SOIL SAMPLING LOCATIONS AND LABORATORY RESULTS

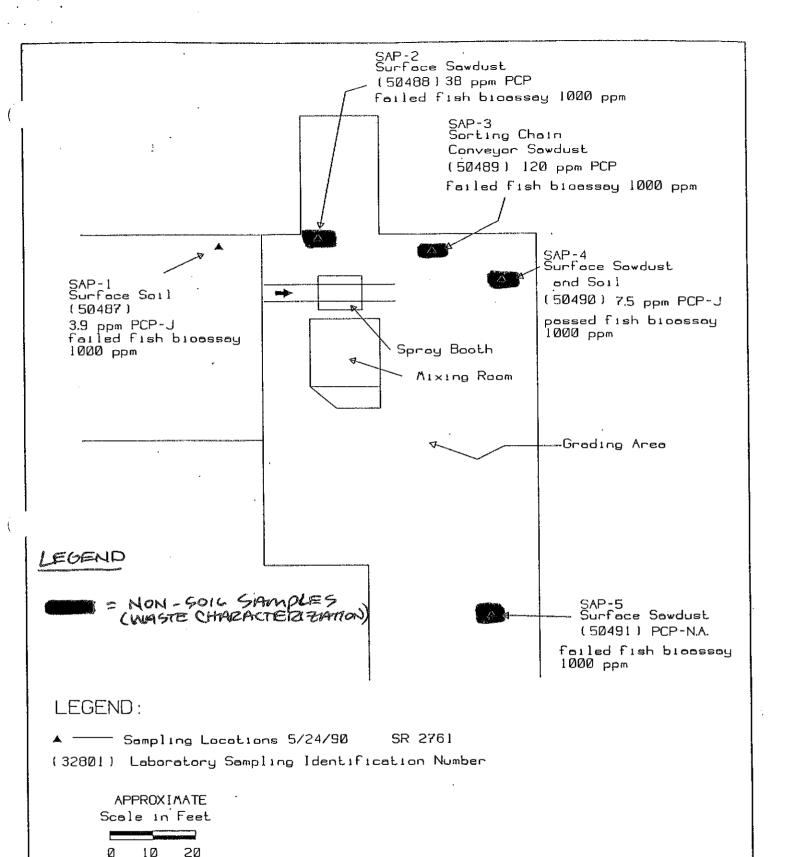


Weyerhaeuser
Environmental Sciences and Technology

Drawn By: GWR Checked JEM

#### FIGURE B-1

Aberdeen Sawmill Wood Surface Treatment Area Sampling Locations

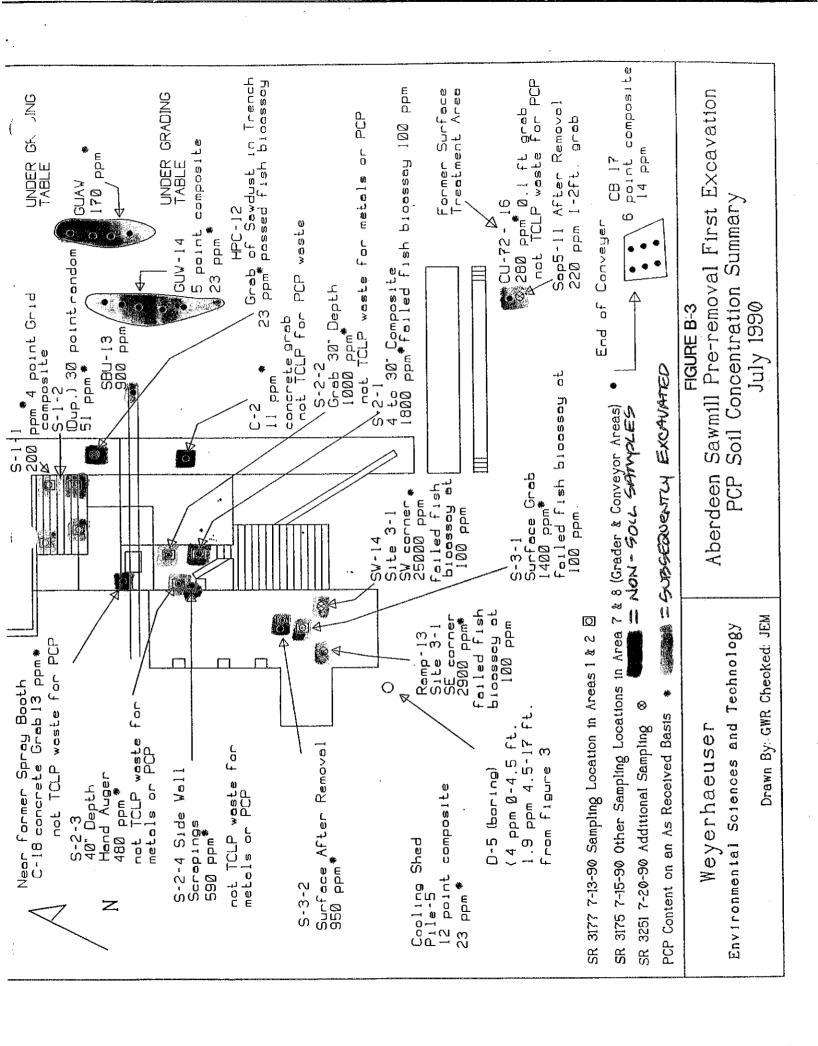


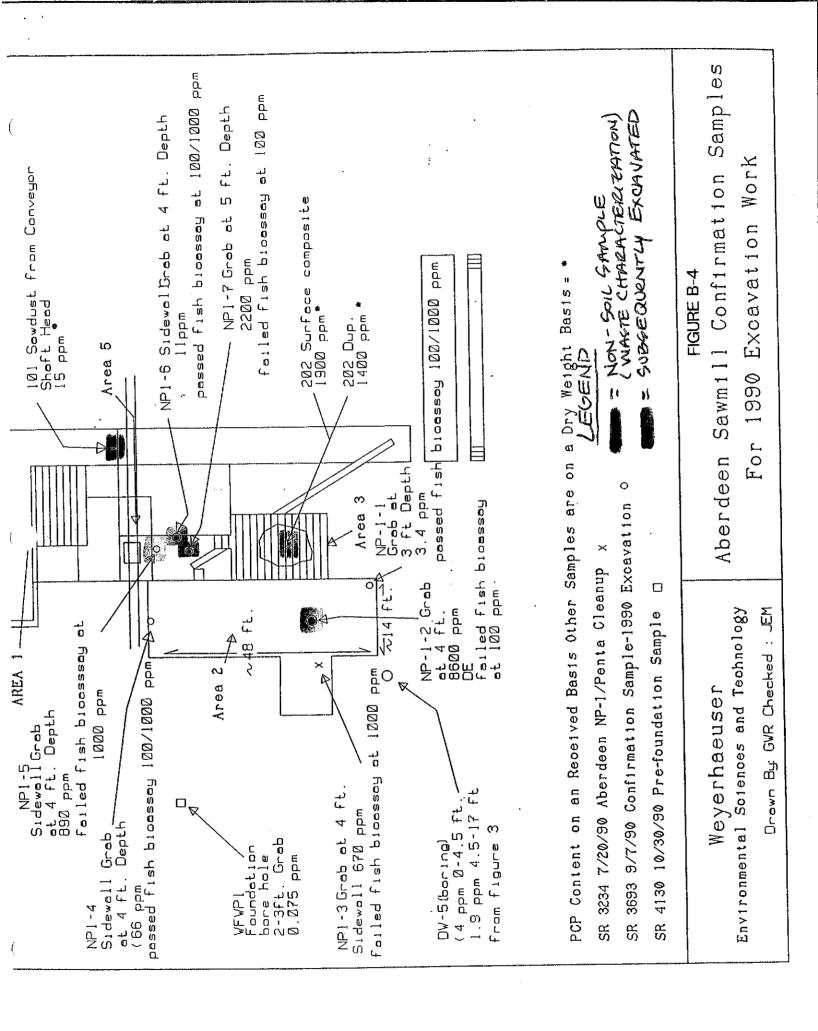
Weyerhaeuser Environmental Sciences and Technology

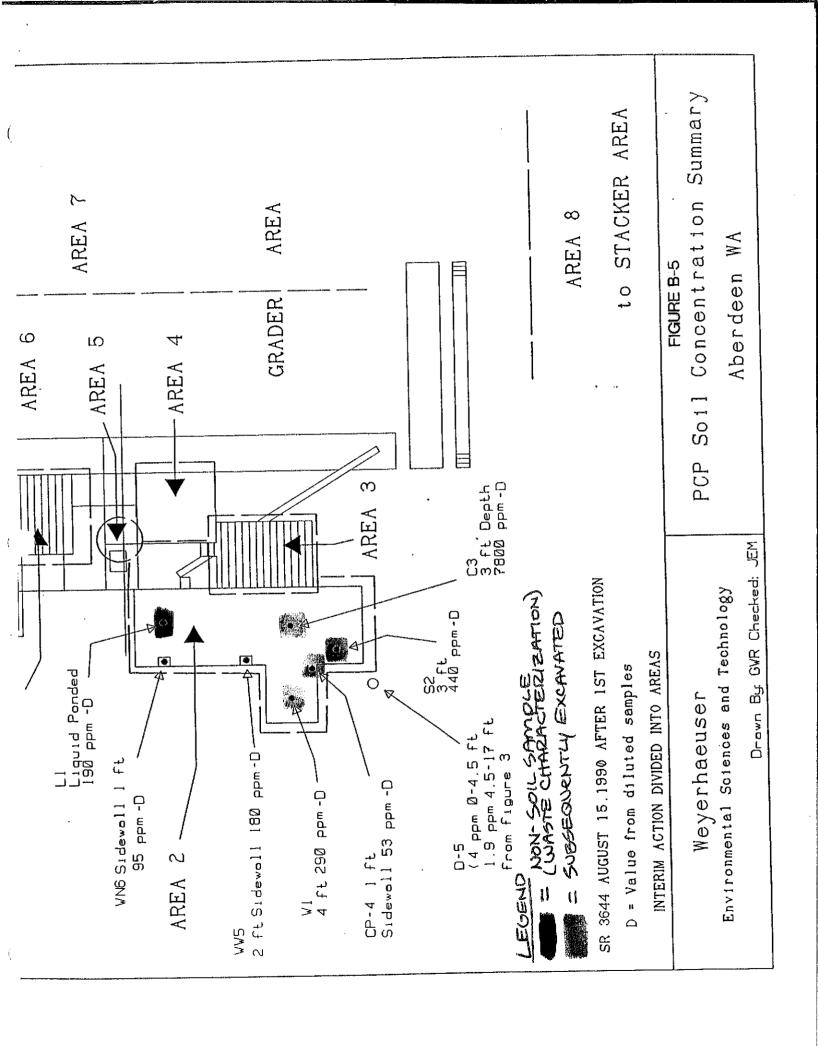
Drawn By: GWR Checked: JEM

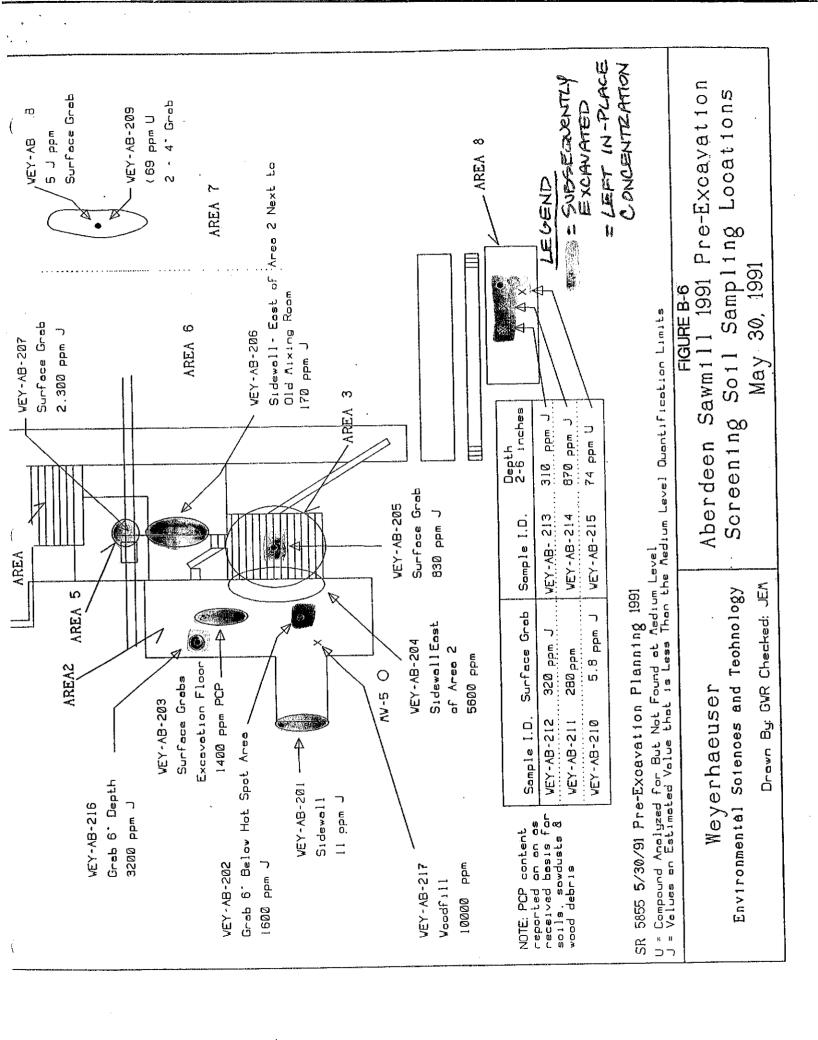
#### FIGURE B-2

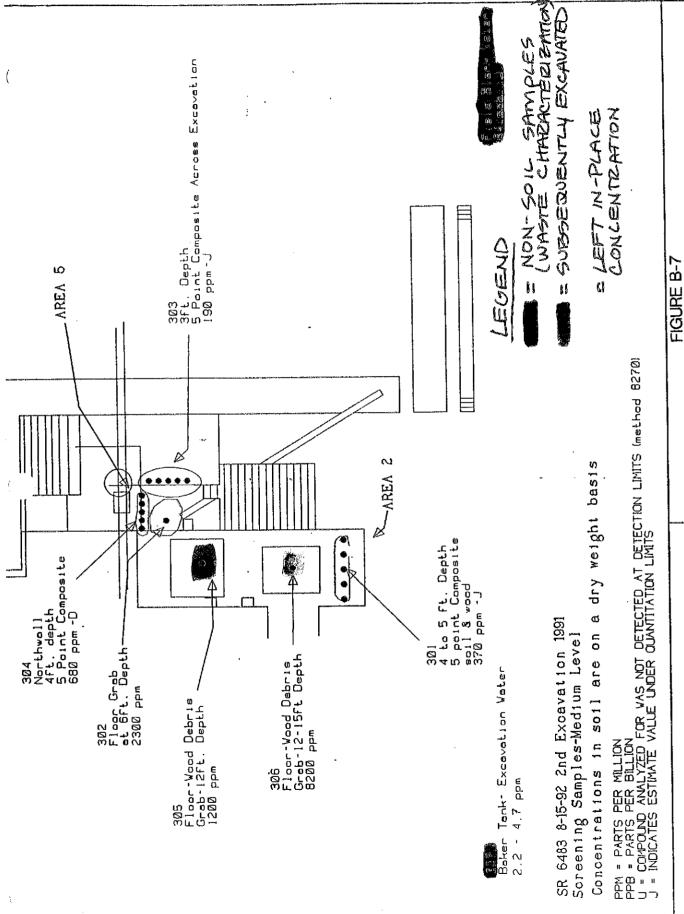
Aberdeen Sawmill: Wood Surface Treatment Area Sampling Locations









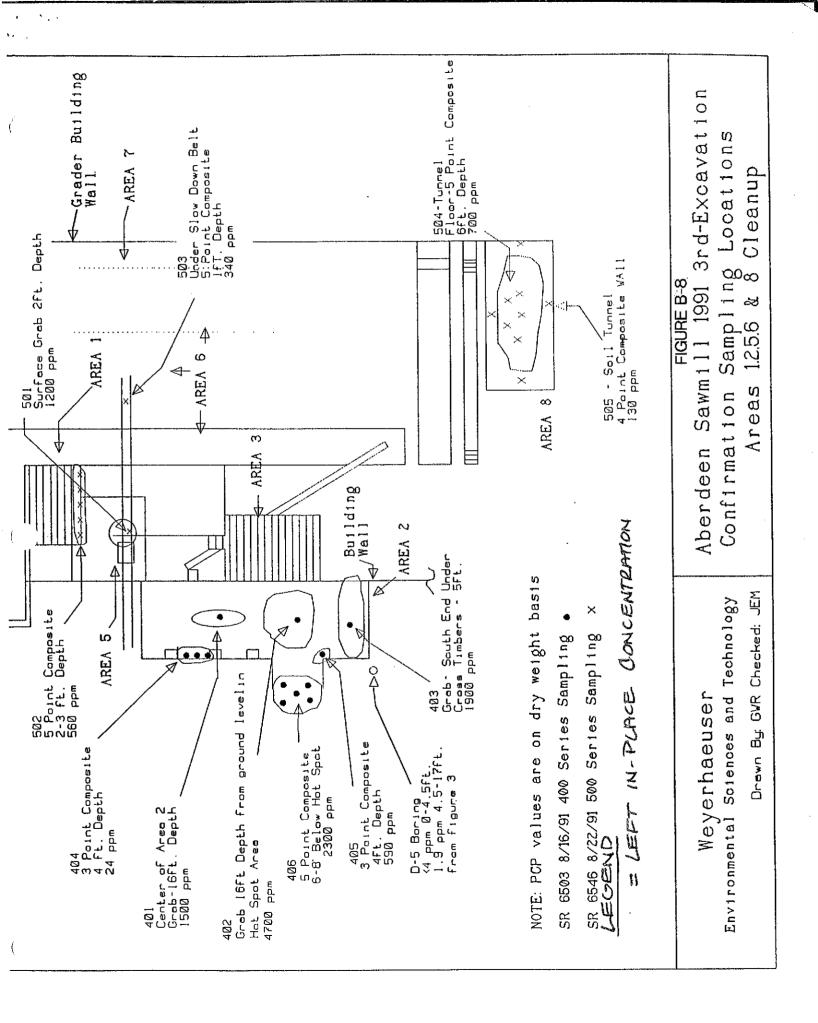


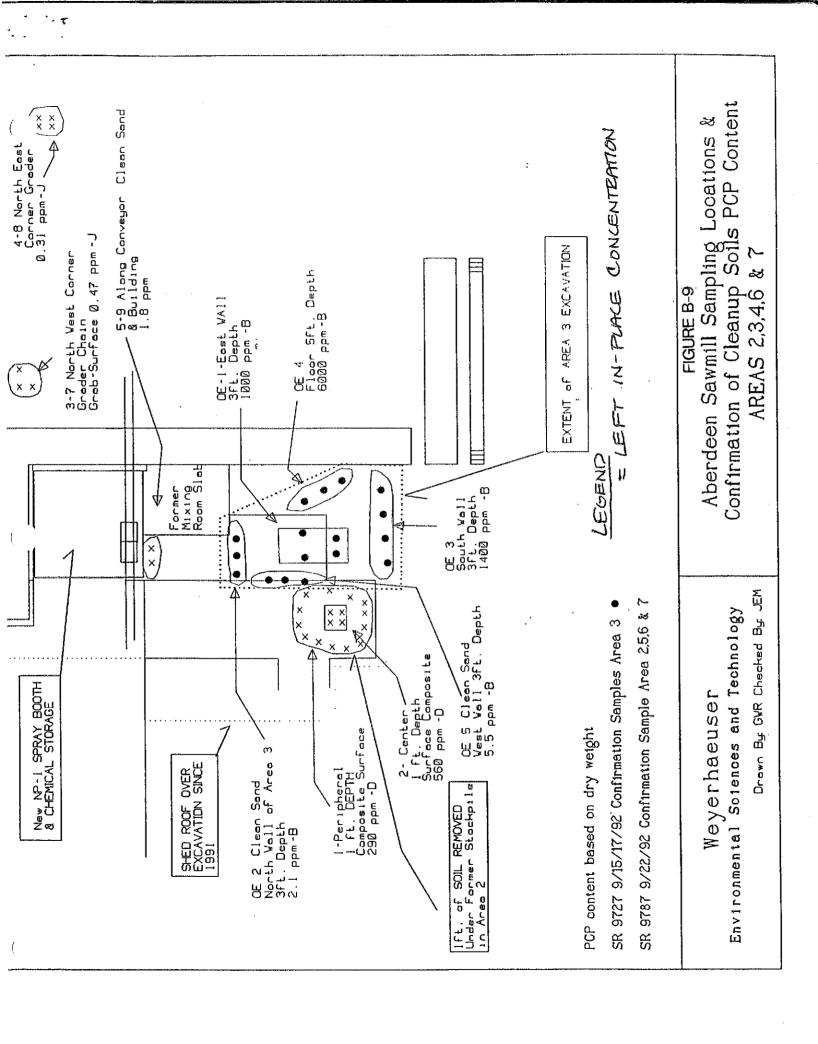
Aberdeen Sawmill 1991 2nd-Excavation PCP Water/Soil Sampling Locations Areas 2 & 5

Drawn, By: GVR Checked JEM

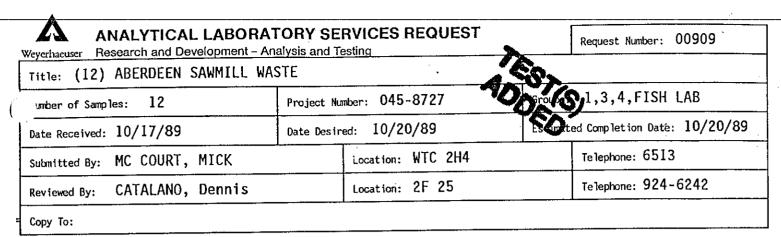
Environmental Sciences and Technology

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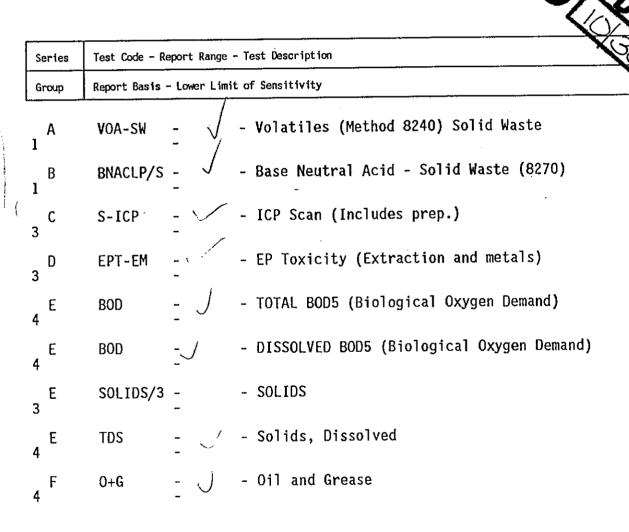




# APPENDIX C SOIL SAMPLING LABORATORY REPORTS



Sample Description and History:



	Interim Report Desired?	Hazardous Samples? Yes	No		
.	Reference:				Record 5 790
	Results Approved	Date	: 16/89	Signature applies to attached pages	Page Number

Printed on: 10/30/89

Page: 01



#### ANALYTICAL LABORATORY SERVICES REQUEST

Weyerhaeus	ser Research and Development - Analysis and Testing	Request Number; 00909
Series	Test Code - Report Range - Test Description .	
Group	Report Basis - Lower Limit of Sensitivity	
	^	

G O	BIOASSA	Y	- Bioassay - Fish Lab
H 4	ΤX	-	J - TOTAL HALOGENS
1 4	PH-W		- pH of waters

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

8790

Printed on: 10/30/89

Page: 02

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WEYERHAEUSER 1 HNOLOGY CENTER Analytical Laboratories Tacoma, Washington

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Service Request 00909 Page 1 of 1

ECCUAC	KEFORT

TX mg/L	32; 40	ც	40; 42
0&G mq/L		i	2370
Sol BOD <sub>5</sub>	4710	6300	5300
BOD <sub>5</sub>	6240	7700	7040
TDS mg/L	2500	3100	2900
T/bw	4660	5040	4590 4460
Ha	7.3	7.5	7.0
Analytical <u>Lab Code</u>	38163	K 38164	38165
Sample Description	WEY-AB-26-YELLOW TANK	WEY-AB-27-SMALL BW TANK 38164	WEY-AB-28-BIG BW TANK

Freon extract for Oil and Grease (0&G) appears to be a waxy material. NOTE:

Approved Outine

Date 10.26 .89 Page Number

Notebook

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#### Aberdeen Sawmill Waste SR 00909 EP Toxicity Metals

	38163	38163D	38164	38165	38166	38166D	38167
	WEYAB26	dup	WEYAB27	WEYAB28	WEYAB29	dup	WEYAB30
Elemen	ıt	(mg	/L in the	EP Toxic	city extra	act)	
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
Cđ	< .01	< .01	< .01	< .01	< .01		< .01
Cr	< .01	< .01	< .01	< .01	< .01		< .01
Ħg	< .0005	< .0005	< .0005	0.0024	···< .0005		
Pb	< .05	< .05	< .05				< .05
Se	< .1	< .1	< .1	< .1	< .1		< .1
	38168 WEYAB31	38169 WEYAB32	38170 WEYAB33	38171 WEYAB34	38172 WEYAB35	38173 WEYAB36	38174 WEYAB37
Elemen	t.	(mg,	/L in the	EP Toxio	ity extra	ict)	
Ag	< :01	< .01	< .01	< .01	< .01	< .01	< .01
As	< .1	< .1	< .1	< .1	< .1		< .1
Ba	< .5	< .5	< .5	< .5	< .5		< .5
Cđ	0.02	0.08	< .01	< .01			
$\mathtt{cr}$	< .01	< .01	< .01	< .01			
Hg	< .0005	< .0005	< .0005				< .0005
P <b>b</b>	< .05	0.10	< .05	< .05	< .05	< .05	< .05
Se	< .1	< .1	< .1			/ 1	

5790

Approved Mary Beth Janzy

.0/27/89

Notebook\_\_\_\_\_34

#### Aberdeen Sawmill Waste SR 00909 Total Metals

	38163 YLWTANK	38163D DUP	38164 SMBWTNK	38165 BGBWTNK	38166 SUR S3	38166D DUP	
Element	:		(mg/kg, a	as rec'd b	asis)	·	
Ag	< 1	< 1	< 1	< 1	< 1	< 1	
A1	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	
Cđ	< 1	< 1	< 1	< 1	< 1	< 1	
Co	< 1	< 1	< 1	< 1	< 1	< 1	
$\mathtt{Cr}$	< 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	Company of the second
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	

**3790** 

Approved Mary Geth Lanzy

10/23/89

Notebook\_\_\_\_

#### Aberdeen Sawmill Waste SR 00909 Total Metals

	38167 GRAB S3	38168 SURF S4	38169 SCRA S5	38171 DRUM S1	38172 TREN S8	38173 SURF S6	38174 BRNWR 57
Element			(mg/kg, a	s rec'd h	oasis)		
Ag	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Al	227	1090	1180	1220	108	6380	2630
As	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ва	4	7	16	9	2	62	63
Be	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Ca	474	822	2280	1910	278	3530	2430
Cđ	< 1	1	6	2	< 1	1	8
Co	< 1	< 1	2	3	< 1	3	4
Cr	11	11	40	23	<b>2</b> `	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

Approved Many Beth Lanza

j. 140

Notebook

#### Aberdeen Sawmill Waste SR 00909 Total Metals

	38170	38170D
	SAWD S2	DUP
Element	(mg/kg, a	as rec'd basis)
Ag	< 1	< 1
Al	44	78
ва	3	3
ве	< 1	< 1
Ca	286	342
Cđ	< 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
k 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.

**8790** 

Approved Many Beth Lanza

.0/23/89

Notebook\_\_\_\_

#### VOLATILE ORGANICS ANALYSIS DATA SHEET

au Name: Weyerhaeuser

Lab Sample ID: 38165

lient Sample ID: WEY-AB-28-BIGBWTANK

Request Number ID: 909

ample Description: PAINT/WATER

Matrix: PAINT/WATER

ample wt/vol: 4.0

Lab File ID:

>B 1671

, , , , , , ,

Date Received: 10/17/89

Moisture: not dec. NA

Date Analyzed: 10/18/89

olumn: CAP

∍vel: MED

Dilution Factor: 4.0

CONCENTRATION UNITS:

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

_	CAS NO. COMPOUND	(ug/L o	i ug/kg	) UG/KG	(	Q
 	74-87-3		!		I	
	74-87-3		!	5000.	ΙU	
	75-0 1-4		!	5000,	Įυ	
	75-01-4Vinyl Chloride		!	5000.	IU	
	75-00-3		!	5000.	10	
	75-09-2Methylene_Chlori	d e		2500.	ΙU	
	67-64-1Acetone			5000.	Įυ	
	/ J- IJ-U		- 1	2500.	į U	
	75-35-41, 1-Dichloroethe	n e	!	2500.	10	
	/5-34-3	ne	ĺ	2500.	Įυ	
	54U-59-U1,2-Dichloroetha	ne-total	1	2500.	ŀU	
	67-66-3Chloroform		1	2500.	ΙU	
	10/-02-21,2-Dichloroetha	ne	į	2500.	Įυ	
	78-93-32-Butanone		1	5000.	Įυ	
	/1-55-61,1,1-Trichloroe	thane		4400.	Ì	
	56-23-5Carbon Tetrachlo	ride	1	2500.	ĬU	
	108-05-4Vinyl Acetate		1	5000.	Ìυ	
	75-27-4Bromodichloromet!	hane	- 1	2500.	įυ	
	78-87-5	ane	1	2500.	įυ	
	10061-01-5cis-1,3-Dichloro	oropene	1	2500.	ΙŪ	
	79-01-6Trichloroethene		1	2500.	ĬŬ	
	124-48-1Dibromochloromet!	nane	1	2500.	įŭ	
	/9-00-51,1,2-Trichloroe	thane	1	2500.	Ü	
	/ 1-43-2Benzene		4	2500.	ĬŬ.	
	10061-02-6trans-1,3-Dichlor	optopene	ا ڊ	2500.	ĬŬ	
	75-25-2Bromoform		1	2500.	Ü	
	108-10-14-Methv1-2-pentar	1006	1	5000.	10	
	91-78-62-Hexanone		1	5000.	10	
	12/- 18-4Tetrachloroethene	<u>د</u>	1	2500.	10	
	79-34-51,1,2,2-Tetrachic	roethana		2500.	iU	
	108-88-3Toluene		· <del></del>	2500.		
	108-90-7Chlorobenzene		!	2500. 2500.	Į U	
	100-41-4Ethylbenzene		 		ļυ	
	100-42-5Styrene			2500,	l U	•
	133-02-7Xylene-total			2500.	{ U	
	Ayrene-total			2500,	ΙU	

8790

91

## 1€ VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

ame: Weyerhaeuser

Lab Sample ID: 38165

lient Sample ID: WEY-AB-28-BIGBWTANK

Request Number 1D: 909

ample Description: PAINT/WATER

Matrix: PAINT/WATER

ample wt/vol:

4.0

Lab File ID:

>B 1671

evel: MED

Date Received: 10/17/89

Moisture: not dec. NA

Date Analyzed: 10/18/89

olumn: CAP

Dilution Factor: 4.0

CONCENTRATION UNITS:

Number TICs found:

ug/KG

CAS NUMBER	COMPOUND NAME	i RT	EST. CONC.	Q
4.	Unknown C7H14	8.19	4300.	J
2. 108872	Cyclohexane, methyl-	9.81	4500.	[]   J
3	Unknown Hydrocarbon	11.08	2000.	   J
4.	}	-!		\
5.	1	-	1	 
មី .		- I	1	
7.		-	 	!
8.	, , , , , , , , , , , , , , , , , , ,	-		
9,				
10.		_ 1		[
<del></del>	l	. 1	l	

5790

## VOLATILE ORGANICS ANALYSIS DATA SHEET

a. "ame: Weyerhaeuser

Lab Sample ID: 38164

lient Sample ID: WEY-AB-27-SMALLBWTANK

Request Number ID: 909

ample Description: PAINT/WATER

Matrix: PAINT/WATER

ample wt/vol: 4.0

Lab Fite ID: >B 1670

evel: MED

Date Received: 10/17/89

Moisture: not dec. NA

Date Analyzed: 10/18/89

> fumn: CAP

Dilution Factor: 4.0

	_		CONCENTRATION UNITS:				
CAS NO.	COMPOUND	(ug/L o	r ug/Kg)	UG/KG	C	2	
   74-87-3	Chloromothoro		<u> </u>		1		
74-83-9	Chloromethane	-	<del></del> !	5000.	Įυ		
; 74-03-3   75÷01-4	Bromomethane_ Vinyl Chlorid		!	5000.	ΙU		
1 75-00-3	Chloroethane_	e	<u> </u>	5000.	Į U		
1 75-09-2	Methylene_Chi		!	5000.	ΙU		
67-64-1	Methyrene_Chr	or rae	<u> </u>	2500.	ΙU		
75-15-0	Acetone Carbon Disulf	1 4 5	<u>!</u>	5000.	ΙU		
, 75-35-4	Carbon Distri	1 d e	!	2500.	Įυ		
75-33-4   75-34-3	1, 1-Dichloroe	tnene	<del>!</del>	2500.	ΙU		
70-04-0	1, 1-Dichloroe	tnane	!	2500.	10		
540 <del>-</del> 59-0	1,2-Dichloroe	tnane-total_	!	2500.	Įυ		
107 00 0	Chloroform		!	2500.	Į U		
10/-02-2   70 00 0	1,2-Dichloroe	thane	<u></u> ļ	2500.	ΙU		
7	2-Butanone			5000.	ΙU		
/ 1-55-6	1, 1, 1-Trichlo	roethane	Ì	15000.	1		
50-23-5	Carbon Tetrac	hloride <u> </u>	1	2500.	₹U `		
75 07 4	Vinyl Acetate		, f	5000.	Įυ		
/5-2/-4	Bromodichtoro	methane	1	2500.	ĮŪ		
/8-8/-5	1,2-Dichlorop	ropane	I	2500.	Įυ		
1006 1-0 1-5	cis-1,3-Dichl	oropropene	1	2500.	l U		
/9-0 1-6	Trichloroethe	n e	1	2500.	Įυ		
124-48-1	Dibromochlorom	nethane		2500.	Įυ		
79-00-5	1,1,2-Trichlo	roethane		2500.	ΙU		
/ 1-43-2	Benzene		1	2500.	· IU		
10061-02-6	trans-1,3-Dic	h l o r o p r o p e n e,	1	2500.	ΙU		
75-25-2	Bromoform		1	2500.	(U		
108-10-1	4-Methy1-2-per	ntanone		5000,	U		
591-78-6	2-Hexanone		1	5000.	įυ		
12/- 18-4	letrachloroeti	hene	- 1	2500.	įυ		
79-34-5	1, 1, 2, 2-Tetra	chloroethane	1	2500.	įυ		
108-88-3	Toluene		!	2000.	11		
108-90-7	Chlorobenzene		ļ	2500.	įυ		
100-41-4	Ethylbenzene			2500.	ĺΰ		
100-42-5	Styrene		1	2500.	ΙÜ		
133-02-7	Xylene-total_			2500.	ļŪ	:	

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93

## 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

and ime: Weyerhaeuser

Lab Sample ID: 38164

lient Sample ID: WEY-AB-27-SMALLBWTANK

Request Number ID: 909

ample Description: PAINT/WATER

Matrix: PAINT/WATER

ample wt/vol:

4.0 G

Lab File ID: >B1670

evel: MED

Date Received: 10/17/89

Moisture: not dec. NA

Date Analyzed: 10/18/89

olumn: CAP

Dilution Factor: 4.0

CONCENTRATION UNITS:

Number TICs found: 4

ug/KG

	1		1 .	
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown C7H14	8,23	6500.	= = = =   J
2. 108872	Cyclohexane, methyl-	9.85	12000.	J
<u>5</u> (	Unknown C8H16	10.71	2500.	J
4.	l   Unknown C8H16	11.12	4500.	J
5.		1 .		
<b>3</b> .				
7.		. i	   	
8.			 	
9.				<del></del> 
10.		. [		
		.1	l	l

1/87 Rev.

## VOLATILE ORGANICS ANALYSIS DATA SHEET

a. Name: Weyerhaeuser Lab Sample ID: 38163

lient Sample ID: WEY-AB-26-YELLOW-TANK Request Number ID: 909

ample Description: PAINT/WATER Matrix: PAINT/WATER

ample wt/vol: 4.0 G Lab File ID: >B1669

evel: MED Date Received: 10/17/89

Moisture: not dec. NA Date Analyzed: 10/18/89

olumn: CAP Dilution Factor: 4.0

CONCENTRATION UNITS:

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

	CAS NO. COMPOUND	(ug/L	or ug/k	g) UG/KG	, Q	!
1			. 1		[	
1	74-87-3Chlorometha	n e		5000.	ĮΠ	
ı	74-83-9Bromomethan	<del>2</del>	1	5000,	ļυ	
l	75-01-4Vinyl Chlor	i de	1	5000.	Įυ	
ł	75-00-3Chloroethan	e		5000.	10	
ĺ	75-09-2Methylene CI	rloride	1	2500.	Įυ	
1	67-64-1Acetone		1	5000.	Įυ	
1	75-15-0Carbon Disu	fide		2500.	_   U	
1	75-35-41, 1-Dichlor	oethene		2500.	10	
ĺ	75-34-31, 1-Dichlord	ethane	1	2500.	Į Ų	
Į	540-59-01,2-Dichlore	ethane-tota	11	2500.	ΙU	
1	67-66-3Chloroform_		1	2500.	ΙU	
l	107-02-21,2-Dichlord	ethane		2500.	{U	
1	78-93-32-Butanone			5000.	ĮŲ	
1	71-55-61,1,1-Trich	oroethane	{	50000.	1	
1.	56-23-5Carbon Tetra	ichloride		2500.	Įυ	
١	108-05-4Vinyl Aceta	e		5000,	Į U	
ł	75-27-4Bromodichtor	omethane	1	2500.	Įυ	
Į	78-87-51,2-Dichlord	propane	1	2500.	ΙU	
ı	1006 1-0 1-5cis-1,3-Dict	loropropene		2500.	ΙU	
1	79-01-6Trichloroett	ı e n e <u>'</u>	!	2500.	Įυ	
1	124-48-1Dibromoch lor	omethane	1	2500.	ΙU	
I	79-00-51, 1, 2-Trich!	oroethane	1	2500,	ĮΨ	
1	7 1-43-2Benzene		1	2500.	ΙU	
f	1006 1-02-6trans-1,3-Di	chloroprope	n e [	2500,	ΙU	
1	75-25-2Bromoform		1	2500.	Įυ	
1	108-10-14-Methyl-2-p	entanone		5000,	ΙU	
1	591-78-62-Hexanone			5000.	Į U	
ı	127-18-4Tetrachloroe	thene		2500,	Įυ	
	79-34-51, 1, 2, 2-Tetr	achloroetha	n e	2500.	ĮU	
ł	108-88-3Toluene		1	2200.	11	
ł	108-90-7Chlorobenzen	e	1	2500.	ΙU	
1	100-41-4Ethylbenzene		1	2500.	U	
1	100-42-5Styrene		1	2500.	l U	
1	133-02-7Xylene-total		!	2500.	Į U	
1.			11		1	

H790 (

# 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

me: Weyerhaeuser

Lab Sample ID: 38163

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

Request Number ID: 909

ample Description: PAINT/WATER

Matrix: PAINT/WATER

ample wt/vol:

4.0 G

Lab File ID: >B1669

vel: MED

Date Received: 10/17/89

•

Moisture: not dec. NA

Date Analyzed: 10/18/89

Mumn: CAP

Dilution Factor: 4.0

CONCENTRATION UNITS:

ug/KG

lumber TICs found: 3

CAS NUMBER	COMPOUND NAME	!   RT	EST. CONC.	   Q	 
	Unknown C7H14	8.02	7800.	1  =====	!
108872	Cyclohexane, methyl-	9.68	9000.	l	 
; (	   Unknown C8H16 	10.99	3000.	[ [	}   
*				   	!   
• · · · · · · · · · · · · · · · · · · ·				<u></u>	! <b>!</b>
******				 	ŀ
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## VOLATILE ORGANICS ANALYSIS DATA SHEET

a. Name: Weyerhaeuser Lab Sample ID; VBLKS1

lient Sample ID: NA Request Number ID: 909

ample Description: METHOD BLANK Matrix: PAINT/WATER

ample wt/vol: 4.0 G Lab File ID: >B1661

evel: MED Date Received: NA

Moisture: not dec. NA Date Analyzed: 10/18/89

olumn: CAP Dilution Factor: 1.0

	CAS NO.	COMPOUND	CONCENTRA (ug/L or	,			<b>Q</b> .
Į				1 .	······································	.1	• 
ł	74-87-3	Chloromethane	·		1300.	Į U	1
١	74-83-9	Bromomethane_		<u></u>	1300.	Įυ	1
١	/5-01-4	Vinyl Chlorid	<b>e</b>		1300.	ĮŪ	1
1	75-00-3	Chloroethane_		1	1300.	Įυ	1
١	75-09-2	Methylene Chl	oride	1	630.	Įυ	1
1	67-64-1	Acetone		1	1300.	Įυ	i
ĺ	/ 0 - 10 - 0	Carbon Disail	1 a e		630,	Įυ	1
1	75-35-4	1,1-Dichloroe	thene	I	630.	Įυ	- 1
1	75-34-3	1, 1-Dichloroe	thane		630.	ΙU	- 1
1	540-59-0	1,2-Dichloroe	thane-total		630.	ĮU	1
1	67-66-3	Chloroform		1	630.	Į U	1
1	107-02-2	1,2-Dichloroe	thane	1	630.	10	1
1	78-93-3	2-Butanone		1	1300.	ΙU	- 1
1	71-55-6	1,1,1-Trichto	roethane	1	630.	Įυ	İ
1	56-23-5	Carbon Tetrac	hloride	1	630.	ĺυ	i
1	108-05-4	Viny! Acetate		I	1300.	ĺυ	ĺ
ŧ	75-27-4	Bromodichloro	methane	1	630.	Ü	i
Į	78-87-5	1,2-Dichtorop	ropane	1	630.	įυ	i
1	10061-01-5	cis-1,3-Dichl	oropropene	1	630.	·ίυ	İ
1	79-01-6	Trichloroethe	ne	i	630.	iu	i
1	124-48-1	Dibromochloro	me t hane	i	630.	ίŪ	i
1	79-00-5	1, 1, 2-Trichlo	roethane	i	630.	ΙŪ	ì
ł	71-43-2	Benzene		i	630.	ìυ	ì
Į	10061-02-6	trans-1,3-Dic	hloropropene	i	630.	ŧŪ	ì
i	75-25-2	Bromoform	, , –	i	630.	ίŪ	ì
1	108-10-1	4-Methy!-2-pe	ntanone	<del></del> ;	1300.	ίŪ	i
ĺ	591-78-6	2-Hexanone	<u> </u>	;	1300.	ĺΰ	i
1	127-18-4	Tetrachloroet	hene	i	630.	ĺΰ	i
Ĺ	79-34-5	1, 1, 2, 2-Tetra	chloroethane	<del></del> ;	630.	ίΰ	ì
i	108-88-3	Toluene		<del></del>	630.	ĺŬ	1
i	108-90-7	Chlorobenzene		<u>'</u>	630.	ΙŬ	1
i	100-41-4	Ethylbenzene_		! !	630.	ΙU	1
i	100-42-5	Styrene		'	630.	ΪŪ	1
i	133-02-7	Xylene-total_		<u>'</u>	630,	10	1
i	·	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		; 	000.	1	1

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# 1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

au( ime: Weyerhaeuser

Lab Sample ID: VBLKS1

Hent Sample ID: NA

Request Number ID: 909

ample Description: METHOD BLANK

HOD BLANK Matrix: PAINT/WATER

ample wt/vol:

Lab File ID:

>B 1661

.....

4.0 G

Date Received: NA

evel: MED

Batt Meterica: NA

Moisture: not dec, NA

Number TICs found:

Date Analyzed: 10/18/89

olumn: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

ug/KG

CAS NUMBER	COMPOUND NAME	l RT :	   EST. CONC.	   Q
			==========	====
<b>,</b>				<b> </b>
2.	·	 		[ [
~ ( ·			<u> </u>	<u>!</u>
3 (	<u> </u>	i !i	<u> </u>	! !. <b>!</b>
4.				
**************************************				
<b>2</b> .		<u></u>		 
7.		<del>                                   </del>		'
3			 	
Ĵ.		<del>-                                   </del>		1
10.		-		!

## 2B SOIL VOLATILE SURROGATE RECOVERY

ame:Weyerhaeuser

Contract:NA

ab Code: Weyer

Veyer Case No.: NA

SAS No.: NA

SDG No.: NA

evel:(low/med):

	EPA	l \$1	1 52	l S3	IOTHER	TOT
1	I SAMPLE NO	•	32  (BFB)#	•	•	1 101 I
i	I SAMPLE NO	. [[[OL]#		1======	1  ======	1 1
0 1	VBLKS4	96	1 93	82		1 0 I
02		1 100	1 95 1 95	1 02 1 91	t I	1 0 1 1 0 1
031		1 98	1 93 1 94	( 9 1 { 9 1	! í	101
04		1 96	1 93	1 96	! 1	1 0 1
05		1 97	1 92	81	¶ 1	0 1
061		1 101	1 94	97	l f	1 0 1
07		1 97	1 88	1 94 !	! [	,
081		1 105	1 99	74	! 1	1 0 1
091		1 97	1 96	88		0 1
101		1 10 1	1 96	96	!	0
111		1 10 1	1 92	99		101
12 [		1 96	93	94	 	
13 [		1 96	1 89	93		0     0
14		1 100	92	100	 	0 1
151		1 96	1 87	95		
16		1 99	1 89 I	99		101
17 (	·	1 100	1 96 1	103	1	0 1
	30203	1 100	1 30 1	100	. !	0
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211			!	· <del></del> !	· <del> ·</del>	·
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			<u>'</u>	·		;
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271			;	!		;
		<u>'</u>	!! !	·	[	
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-		<u> </u>	<u> </u>	<u> </u>		
50,	<del></del>	<del></del>	· <del></del>	١		

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

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: | 26YELTNK

Ab Name: WEYERHAEUSER Contract

de: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

itrix: (soil/water) SOIL Lab Sample ID: 38163

imple wt/vol: 1.5 (g/mL) G Lab File ID: 2BN1019B

evel: (low/med) MED Date Received: 10/17/89

Moisture: not dec. dec. Date Extracted: 10/18/89

traction: (Sepf/Cont/Sonc) Date Analyzed: 10/19/89

C Cleanup: (Y/N) N pH: Dilution Factor: 0.99

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	١	<b>©</b>	
!				Į		1		j
1	108-95-2	-Phenol		1	13000	! U		1
	111-44-4	-bis(2-Chloroethyl)	Ether		13000	١U		ţ
ļ	95-57-8	-2-Chlorophenol		<sub>(</sub>	13000	ΙU		ŀ
1	541-73-1	-1,3-Dichlorobenzen	6	!	13000	١U		;
	106-46-7	-1,4-Dichlorobenzen	e	1	13000	ΙU		ŀ
1	100-51-6	-Bénzyl Alcohol	, s	 	13000	łU		3
ļ	95-50-1	-1,2-Dichlorobenzen	(e)	{	13000	łU		ł
	95-48-7	-2-Methylphenol		<b>;</b>	13000	ΙU		3
í	108-60-1	-bis(2-Chloroisopro	pyl)Ether	- {	13000	ΙU		1
1	106-44-5	-4-Methylphenol		!	13000	l U		ţ
ŧ	621-64-7	-N-Nitroso-Di-n-Fro	pylamine		13000	ΙIJ		Ī
1	67-72-1	-Hexachloroethane			13000	١U		1
ł	98-95-3	-Nitrobenzene		I	13000	IJ		ļ i
!	78-59-1	-Isophorone			13000	ΙU		ŀ
ŀ	88-75-5	-2-Nitrophenol		!	13000	{ U		ł
ŧ	105-67-9	-2,4-Dimethylphenol		{1	13000	l U		1
ļ	45-85-0	-Benzoic Acid		!	63000	ΙU		ŀ
į	111-71-1	-bis(2-Chloroethoxy	)Methane_		13000	ΙIJ		1
į	120-83-2	-2,4-Dichlorophenol		t	13000	ł U		ł
į	120-82-1	-1,2,4-Trichloroben	zene	1	13000	ΙIJ		i
ł	91-20-3	-Naphthalene			9500	łJ		i
į	106-47-8	-4-Chloroaniline			13000	I U		l
;	87-68-3	-Hexachlorobutadien	e	}	13000	ΙU		!
į	59-50-7	-4-Chloro-3-Methylp	henol	!	13000	ΙU		!
ł	91-57-6	-2-Methylnaphthalen	e	1	13000	₹U		}
ļ	77-47-4	-Hexachlorocyclopen	tadiene		13000	ΙU		ļ
ŀ	89-06-2	-2,4,6-Trichlorophe	nol <u>.z</u>		13000	łU		i
ţ	95-95-4	-2,4,5-Trichlorophs	nol		63000	HU		ţ
i	- ダ1-58-7	-2-Chloronaphthalen	e	!	13000	H		1
i	88-74-4	-2-Nitroaniline		<u> </u>	63000	113		1
ļ	131-11-3	Dimethyl Phthalate	4	!	13000	ŧU		1
ļ	208-96-8	-Acenaphthylene			13000	:U	N	ļ
Į	606-20-2	-2,6-Dinitrotoluene	······································		13000	· I U		į
				!		1		!

26YELTNK

b\_Name: WEYERHAEUSER Contract:

Code: WEYER Case No.: 00909

SAS No.:

SDS No.: 38163

trix: (scil/water) SOIL

Lab Sample ID: 38163

mple wt/vol:

1.5 (g/mL) G

Lab File ID:

2BN1019B

vel: (lo

(low/med) MED

Date Received:

10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/18/89

traction:

(SepF/Cont/Sonc)

Date Analyzed:

10/19/89

C Cleanup:

(YZN) N

pH:

Dilution Factor: 0.99

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG 00026 IU. | 83-32-9------| 13000 10 | 51-28-5----2,4-Dinitrophenol\_\_\_\_| IU **6**3000 | 100-02-7-------| 63000 IU | 132-64-9-----Dibenzofuran\_\_\_\_! 13000 lU. | 121-14-2----2,4-Dinitrotoluene\_\_\_! 13000 10 | 84-66-2----Diethylphthalate\_\_\_\_| 13000 IU 7005-72-3-----4-Chlorophenyl-phenylether\_\_\_! 13000 l U 86-73-7-----Fluorene\_\_\_\_ 13000 Ш 100-01-6----4-Nitroaniline\_\_\_\_\_ 63000 ١Ü | 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 l U ! 118-74-1------Hexachlorobenzene\_\_\_\_! 13000 l U | 87-86-5----Pentachlorophenol\_\_\_\_ 63000 I U | 85-01-8-----Phenanthrene\_\_\_\_\_ 13000 lU. | 120-12-7----Anthracene\_\_\_\_| 13000 Ш | 84-74-2----Di-n-Butylphthalate\_\_\_\_! 13000 1U 206-44-0----Fluoranthene\_\_\_\_ l U 13000 | 129-00-0----Pyrene\_\_\_\_| 13000 l U | 85-68-7----Butylbenzylphthalate\_\_\_\_ 13000 lU 1 91-94-1-----3,3'-Dichlorobenzidine\_\_\_\_; 26000 IU. 56-55-3----Benzo(a) Anthracene\_\_\_\_! 13000 ŧU. 218-01-9-----Chrysene\_\_\_\_; 13000 :U 1 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_| 13000 l U i17-84-0----Di-n-Octyl Phthalate\_\_\_\_\_ 13000 l U 205-99-2----Benzo(b)Fluoranthene\_\_\_\_ 13000 H 207-08-9----Benzo(k)Fluoranthene\_\_\_\_; 13000 IU 50-32-8----Benzo(a)Fyrene\_\_\_\_! 13000 111 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_\_\_\_ 13000 IU : 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_! 13000 l U 191-24-2----Benzo(g,h,i)Perylene\_\_\_\_ 13000 111

<sup>(1) -</sup> Cannot be separated from Diphenylamine

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract:

b\_Name: WEYERHAEUSER

Je: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

trix: (soil/water) SOIL

vel: (low/med) MED

Lab Sample ID: 38163

Date Received: 10/17/89

mole wt/yol: 1.5 (g/mL) G

Moisture: not dec.

dec.

Date Extracted: 10/18/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

Lab File ID: 2BN1019B

C Cleanup: (Y/N) N pH:

Dilution Factor: 0.99

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG mber TICs found: 20

			i		i <sup>.</sup>	i	ì
CAS	3 NUMBER	COMPOUND N	AME I	RT	EST. CONC.	. 1 0	ţ
791 202 EUR EUR			essesses [			== {	1
ž		: UNKNOWN	1	23.79	44000	IJX	ŧ
2.	54833-48-6	REPTADECANE, 2,6,10	0,15-TETRAL	25.04	130000	IJX	1
		I DOCOSANE	- 1	26.22	590000	JX	i
		LUNKNOWN	Į.	27.36	660000	IJX	1
		IUŃKNOWN	1	28.46	1 750000	IJX	ŀ
<u>د</u> ک	,	LUNKNOWN	1	29.06	48000	IJX	1
7.	62 <del>9</del> -99-2	I PENTACOSANE	. !	29.49	740000	JX	ł
8.		UNKNOWN	1	30.07	74000	IJХ	i
	630-01-3	HEXACOSANE	1	30.51	690000	IJX	1
ĭÖ.		LUNKNOWN	1	31.07	40000	łЈХ	-
11.		l UNKNO <b>WN</b>	1	31.17	34000	IJX	1
12.		LUNKNOWN	!	31.49	790000	łЈХ	1
13.		LUNKNOWN	ì	32.04	94000	IJХ	1
14.	630-02-4	OCTACOSANE	1	32.42	620000	ŧJX∖	ţ
13.	630-03-5	INONACOSANE		33.37	450000	IJХ	ł
16.		LUNKNOWN	1	34.29	320000	IJХ	1
17.		LUNKNOWN		35.24	240000	IJХ	•
	2425-85-6	2-NAPHTHALENOL, 1-	E (4-METHYL!	35.77	110000	łЈХ	1
10		LUNKNOWN	1	36.19	160000	ŧЈХ	į
20.		UNKNOWN	!	37.16	120000	IJX	1
		ı	į	1	!	?	1



EPA SAMPLE NO.

27SMBWTK

**(**)

Tirk (1984) Salakis (Salakis)

b\_Name: WEYERHAEUSER Contract:

COMPOUND

91-57-6----2-Methylnaphthalene\_\_\_\_\_

77-47-4----Hexachlorocyclopentadiene\_\_\_\_{

606-20-2----2,6-Dinitrotoluene\_\_\_\_\_

| 131-11-3----Dimethyl Phthalate\_\_\_\_\_

CAS NO.

Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

trix: (soil/water) SOIL Lab Sample ID: 38164

mple wt/vol: 1.4 (q/mL) G Lab File ID: 2BN1019C

vel: (low/med) MED Date Received: 10/17/89

Moisture: not dec. Date Extracted: 10/18/89 dec.

traction: (SepF/Cont/Sonc) Date Analyzed: 10/19/89

C Cleanup: (YZN) N pH: Dilution Factor: 0.97

1 108-95-2----Phenol 14000 IU 111-44-4----bis(2-Chloroethyl)Ether\_\_\_\_ 14000 IU. 14000 I U 541-73-1-----1,3-Dichlorobenzene\_\_\_\_ 14000 10 | 106-46-7----1,4-Dichlorobenzene\_\_\_\_| 14000 H 100-51-6----Benzyl Alcohol\_\_\_\_! 14000 l U ! 95-50-1------1,2-Dichlorobenzene\_\_\_\_\_| 14000 IU 14000 108-60-1----------bis(2-Chloroisopropyl)Ether\_\_! 14000 HU. 106-44-5----4-Methylphenol\_\_\_\_ 14000 l U | 621-64-7----N-Nitroso-Di-n-Fropylamine\_\_\_\_ 14000 Ш | 67-72-1-----Hexachloroethane\_\_\_\_\_ 14000 1U 98-95-3-----Nitrobenzene\_\_\_\_| 14000 ! U | 78-59-1-----Isophorone\_\_\_\_| 14000 lU 14000 l U 105-67-9----2,4-Dimethylphenol\_\_\_\_! 14000 l U 65-85-0-----Benzoic Acid\_\_\_\_\_! 66000 10 111-91-1----bis(2-Chloroethoxy)Methane\_\_\_| 14000 IU 120-83-2----2,4-Dichlorophenol\_\_\_\_| 14000 IU 120-82-1----1,2,4-Trichlorobenzene\_\_\_\_; 14000 LU 91-20-3----Naphthalene\_\_\_\_! 12000 IJ 14000 IU 87-68-3-----Hexachlorobutadiene\_\_\_\_| 14000 ł U 

CONCENTRATION UNITS:

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

14000

14000

14000

66000

14000

66000

14000

14000

14000

1600

IU

¦ J

H

l U

1 U

! U

111

HU

1.0

27SMBWTK

38164

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: -Mame: WEYERHAEUSER

Je: WEYER

Case No.: 00909

SDG No.: 38163 SAS No.:

trix: (soil/water) SOIL Lab Sample ID:

(q/mL) G Lab File ID: 2BN1019C mple wt/vol:

Date Received: 10/17/89 vel: (low/med) MED

Maisture: not dec. dec. Date Extracted: 10/18/89

Date Analyzed: 10/19/89 (SepF/Cont/Sonc) traction:

Dilution Factor: 0.97 C Cleanup: (Y/N) N :Hq

CONCENTRATION UNITS:

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

99-09-2----3-Nitroaniline\_\_\_\_ 66000 :U 14000 ΙU | 51-28-5----2,4-Dinitrophenol\_\_\_\_\_| 66000 111 | 100-02-7----4-Nitrophenol\_\_\_\_\_ 66000 IU | 132-64-9-----Dibenzofuran\_\_\_\_| ΙU 14000 121-14-2----2,4-Dinitrotoluene\_\_\_\_\_ 14000 1U | 84-66-2------Diethylphthalate\_\_\_\_\_| 14000 IU 7005-72-3----4-Chlarophenyl-phenylether\_\_\_! 14000 I U 86-73-7-----Fluorene\_\_\_\_\_ l U 14000 1 100-01-6----4-Nitroaniline\_\_\_\_\_ ! U 66000 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_\_ 66000 ΙU | 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_| 14000 IU | 101-55-3----4-Bromophenyl-phenylether\_\_\_\_ 14000 IU | 118-74-1-----Hexachlorobenzene\_\_\_\_\_ 14000 I U | 87-86-5----Pentachlorophenol\_\_\_\_ 66000 1U 85-01-8----Phenanthrene\_\_\_\_ l U 14000 120-12-7-----Anthracene\_\_\_\_ 14000 IU | 84-74-2----Di-n-Butylphthalate\_\_\_\_! 14000 10 | 206-44-0-----Fluoranthene\_\_\_\_\_ 14000 IU | 129-00-0-----Fyrene\_\_\_\_| IU 14000 | 85-68-7----Butylbenzylphthalate\_\_\_\_| 14000 łU 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_\_ 27000 l U 56-55-3----Benzo(a)Anthracene\_\_\_\_ 14000 { U 218-01-9-----Chrysene\_\_\_\_\_ 14000 10 | 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_| 14000 IU 1 117-84-0----Di-n-Octyl Phthalate\_\_\_\_\_! 14000 Ш 205-99-2----Benzo(b)Fluoranthene\_\_\_\_ 14000 1U 207-08-9----Benzo(k)Fluoranthene\_\_\_\_ 14000 IU 50-32-8-----Benzo(a)Pyrene\_\_\_\_1 14000 111 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_\_\_ 14000 HU 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_ 14000 l U 191-24-2----Benzo(g,h,i)Perylene\_\_\_\_| 14000 I U

<sup>-</sup> Cannot be separated from Diphenylamine

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

Name: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909 SAS No.:

SDG No.:

trix: (soil/water) SOII

Lab Sample ID: 38164

mple wt/vol:

1.4 (g/mL) G

Lab File ID:

2BN1019C

vel: (low/med) MED Date Received: 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/18/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

Cleanup: (Y/N) N

#Hq

Dilution Factor: 0.97

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

mber TICs found:

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	. a .	!
1.	I UNKNOWN	23.79	44000	   XU	i •
l <u>_</u>	UNKNOWN	25.02		IJX I	
	DOCOSANE	26.21		XUX	i E
	UNKNOWN	27.34		•	i
	LUNKNOWN	27.99		IJX I	
· ·	UNKNOWN			IJX I	ĺ
l <u> </u>	UNKNOWN	28.42	540000		
	PENTACOSANE	29.06		IJX I	)
	• • • • • • • • • • • • • • • • • • • •	29.47		JX I	
	UNKNOWN	30.07	58000	IJX I	
_	HEXACOSANE	30.49	````	JX !	
l <b></b>	NKNOMN	31.07	30000	JX	
	HEPTACOSANE	31.46	440000 (	JX I	
	UNKNOWN	32.04 (	81000	JX !	
	OCTACOSANE	32.41	440000 1	JX\ I	
5. 630-03-5	NONACOSANE	33.36	290000 1	JX	
6.	UNKNOWN !	34.27	220000 (	JX :	
7,	UNKNOWN	35.22		JX i	
8. 2425-85-6 (	2-NAPHTHALENOL, 1-[(4-METHYL)	35.74		JX (	
	UNKNOWN	36.16		JX I	
_	UNKNOWN	37.16		JX !	
		1		1	

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

28BGBWTK Contract: J\_Wame: WEYERHAEUSER SAS No.: SDG No.: 38163 Case No.: 00909 Ĵe: MEYER 38165 Lab Sample ID: trix: (soil/water) SOIL Lab File ID: 2BN1019D 1.8 (g/mL) G mple wt/vol: 10/17/89 Date Received: (low/med) MED vel: Date Extracted: 10/18/89 Moisture: not dec. dec. Date Analyzed: 10/19/89 (SepF/Cont/Sonc) traction: Dilution Factor: 0.99 Cleanup: (Y/N) N pH: CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. 11000 ١U 108-95-2----Phenol | ill-44-4----bis(2-Chloroethyl)Ether\_\_\_\_ 11000 ŧU. 11000 lU 95-57-8-----2-Chlarophenol\_\_\_\_\_i l U | 541-73-1----1,3-Dichlorobenzene\_\_\_\_\_; 11000 ! 106-46-7-----1,4-Dichlorobenzene\_\_\_\_! 11000 l U 1 100-51-6----Benzyl Alcohol\_\_\_\_\_ 11000 ١U \! 95-50-1-----1,2-Dichlorobenzene\_\_\_\_\_ 11000 l U !U 95-48-7----2-Methylphenol\_\_\_\_\_\_ 11000 , 108-60-1------bis(2-Chloroisopropyl)Ether\_\_! 11000 IU. | 106-44-5----4-Methylphenol\_\_\_\_\_ 11000 111 11000 ł U | 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_| 11000 ! U | 67-72-1-----Hexachloroethane | 98-95-3----Nitrobenzene\_\_\_\_\_ 11000 ! U | 78-59-1-----Isophorone\_\_\_\_| !U 11000 11000 !U 1 105-67-9-----2,4-Dimethylphenol\_\_\_\_\_ 11000 I U | 65-85-0----Benzoic Acid\_\_\_\_\_| !U 53000 11000 1 U | 120-83-2----2,4-Dichlorophenol\_\_\_\_\_| 11000 ١U 11000 | 120-82-1----1,2,4-Trichlorobenzene\_\_\_\_| 1 U 3100 IJ | 91-20-3----Naphthalene 1 106-47-8-----4-Chloroaniline\_\_\_\_ 11000 l U | 87-68-3----Hexachlorobutadiene\_\_\_\_| 11000 10 1 59-50-7-----4-Chloro-3-Methylphenol\_\_\_\_\_1 ł U 11000 1,300 IJ 1 77-47-4----Hexachlorocyclopentadiene\_\_\_\_! 11000 IJ { 88-06-2----2,4,6-Trichlorophenol\_\_\_\_\_ 11000 :U (U | 95-95-4----2,4,5-Trichlorophenol\_\_\_\_\_\_ 53000 10 11000 53000 IU | 88-74-4----2-Nitroaniline\_\_\_\_|

11000

11000

11000

1 U

10

-10

| 131-11-3----Dimethyl Phthalate\_\_\_\_\_

208-96-B-----Acenaphthylene\_\_\_\_\_

606-20-2----2,6-Dinitrataluene\_\_\_\_\_

28BGBWTK

th\_Name: WEYERHAEUSER Contract:

Code: WEYER Case No.: 00909 SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID: 38165

mple wt/vol:

1.8 (a/mL) GLab File ID: 2BN1019D

(low/med) MED

Date Received: 10/17/89

Moisture: not dec.

dec. Date Extracted: 10/18/89

traction: (SepF/Cont/Sonc) Date Analyzed: 10/19/89

Cannot be separated from Diphenylamine

C Cleanup: (Y/N) N рH: Dilution Factor: 0.99

CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG 1 99-09-2----S-Nitroaniline 53000 10 | 83-32-9----Acenaphthene\_\_\_\_| 11000 ł U | 51-28-5----2,4-Dinitrophenal\_\_\_\_\_\_ 53000 10 | 100-02-7----4-Nitrophenol\_\_\_\_\_ 53000 lU. | 132-64-9-----Dibenzofuran\_\_\_\_| 11000 ł LI | 121-14-2----2,4-Dinitrotoluene\_\_\_\_! 11000 10 | 84-66-2----Diethylphthalate\_\_\_\_| 11000 I U 7005-72-3----4-Chlorophenyl-phenylether\_\_\_! 11000  $\mathbf{I}$ 86-73-7------Fluorene\_\_\_\_\_ 11000 1U 100-01-6----4-Nitroaniline\_\_\_\_ 53000 10 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_\_ 53000 1 U 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_\_ 11000 !U i 101-55-3-----4-Bromophenyl-phenylether\_\_\_\_i 11000 ١U | 118-74-1----Hexachlorobenzene\_\_\_\_| 11000 l U | 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 10 206-44-0-----Fluoranthene\_\_\_\_; 11000 l U 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 łИ 218-01-9-----Chrysene\_\_\_\_\_ 11000 !U 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_: 11000 IU 117-84-0----Di-n-Octyl Phthalate\_\_\_\_\_ 11000 HU 205-99-2----Benzo(b)Fluoranthene\_\_\_\_\_\_ 11000 10 207-08-9----Benzo(k)Fluoranthene\_\_\_\_\_ 11000 IU 50-32-8-----Benzo(a)Pyrene\_\_ 11000 111 | 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_\_\_| 11000 Ш | 53-70-3----Dibenz(a,h)Anthracene\_\_\_\_! 11000 ΙU | 191-24-2----Benzo(g,h,i)Perylene\_\_\_\_! 11000

#### \_\_1.F\_

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Name: WEYERHAEUSER

Contract:

trix: (soil/water) SOIL

Lab Sample ID: 38145

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

Lab File ID: 2BN1019D

vel: (low/med) MED

Date Received: 10/17/89

Moisture: not dec. dec.

mber TICs found: 20

Date Extracted: 10/18/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/19/89

C Cleanup: (Y/N) N pH:

Dilution Factor: 0.99

CONCENTRATION UNITS:

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

		1	i t	1	1 1	
CAS NUMBER	COMPOUND	NAME	RT	! EST. CONC.	( Q )	;
***====================================	=======================================					
1	LUNKNOWN		23.80		IJX I	;
2.	UNKNOWN	1	25.04	130000	JX	
3. 629-97-0 t	DOCOSANE	į	26.22	540000	X I	i
	UNKNOWN		27.36	580000	JX I	ı
المحا	LUNKNOWN		28.46	1 700000	IJX I	ì
	PENTACOSANE .	!	29.49	660000	JX :	ı
	LUNKNOWN		30.07	48000	IJX I	;
	HEXACOSANE	}	30.51	590000	XL	ı
	LUNKNOWN		31.07	41000	IJX I	İ
	UNKNOWN	!	31.49	470000	lJX l	J
	UNKNOWN		32.04	95000	IJX I	ł
** =	OCTACOSANE	!	32.42	520000	JX I	i
	UNKNOWN		32.99	66000	:JX :	l
	NONACOSANE	!	33.37	410000	JX 🔻	í
	UNKNOWN		34.29	300000	JX	l
	UNKNOWN		35.24	230000	IJX I	i
	2-NAPHTHALENOL.,	1E (4-METHYL	35.77	140000	IJX I	ı
	UNKNOWN		36.19	180000	IJX I	1
	LONKNOWN		37.17	140000	XL.	l
· , ·	LONKNOWN		38.27		IJX I	1
<b>≈∵</b> .	i Diaizia <del>dala</del> I		!	!	· - · · · · · · · · · · · · · · · · · ·	!



ab\_Name: WEYERHAEUSER

Contract:

th Code: WEYER Case No.: 00909 SAS No.:

SDG No.: 38163

utrix: (soil/water) SOIL

Lab Sample ID: 38166

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

Lab File ID: 2BN1022C

evel: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

C Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	(ug/L a	or u	g/Kg)	UG/KG		Q	
1					ţ		,		•
i	108-95-2	Phenol			1	770	;   U		i
į	111-44-4	his/2-Chloroothyll	Fiber			770			
ł	プローコノーローーーー	2-Chlaranheadl			l l	770	łU		;
Į		"""   \	_		1		IU		i
1	100~40~/~~~~	··-··· 1	<b>~</b>		4	770	IU		1
٠ إ	100-01-0	'mmBBDZVI Almabal			1	770	TU		i
<b>\</b> !	,	'				770	ΙÜ		1
4	95-48-7	2-Methylphenol		<del></del>	- 1	770	١U		•
1	* ^ 0 0 0 - 1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	6011646			770	10		1
ł	100-44-5	4-Methylphenol			£ .	770	10		i .
ŧ	041-04-/		<b></b>			770	10		•
ļ	0/~/2-1				•	770	IU		•
i	70-73-3-4-4-4	over-1011 to the tention of each ca			1	770	IU		1
į	, C , C , C , C , C , C , C , C , C , C	~~!60000000				770	IU		1
						770	l U		ł
ł						770	Į U		1
1	45-85-0	Benzoic Acid bis(2-Chloroethoxy)			ì	770	١U		ţ
ł	111-91-1	his(2-Chlorosthovy	Mathan.	<del>-</del>	i •	3700	IU		I.
•		~~~~ . 4~~!!!(~```````   ``````````			1	770	IU		\$
Í	120-02-1					770	IU		1
ŧ	91-20-3	Naphthalene	:eve		:	770	١U		1
ţ						770	ΙU		1
į	87-68-3	Hexachlorobutadiene			i	770	IU		İ
ļ		4	1		•	770	ŧШ		}
ŧ	91-57-6	2-Methylnaphthalene	ieuoi		i	770	ŧШ		<b>!</b>
•	77-47-4	Hexachlorocyclopent			i •	770	l U		Į.
1	88-06-2	2,4,6-Trichloropher	adrene_	·	i	770	łШ		ļ
!	95-95-4	-2,4,5-Trichlorophen	- 3 3C3T		i	770	1U		1
!	91-58-7	2-Chloronaphthalene	01			3700	: U		1
						770	١U		i
1	131-11-3	z-nitroaniline Dimethyl Phthalate_ Acsnaphthylene			i •	3700	10		1
1	208-9A-B		·			770	I U		1
į						770	۱U	1	PIOO
		2,6-Dinitrotoluene_			,	770	-14		8790

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

1 29880283 1

b\_Name: WEYERHAEUSER

Contract:

de: WEYER

Case No.: 00709

SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID: 38166

mple wt/vol:

25.7 (g/mL) G

2BN1022C

vel: (low/med) LOW

Date Received:

Lab File ID:

10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction:

(SepF/Cont/Sonc)

Date Analyzed: 10/22/89

C Cleanup:

(Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q COMPOUND CAS NO. 1 3700 l U 99-09-2----3-Nitroaniline\_\_\_\_\_ 770 :U | 83-32-9-----Acenaphthene\_\_\_\_\_\_ HU 3700 51-28-5-----2,4-Dinitrophenol\_\_\_\_\_| IU 3700 | 100-02-7-----4-Nitrophenol\_\_\_\_\_\_ IU 770 | 132-64-9----Dibenzofuran\_\_\_\_ 1U 770 | 121-14-2----2.4-Dinitrotoluene\_\_\_\_\_| 770 !U 7005-72-3----4-Chlorophenyl-phenylether\_\_\_! 770 ΙU 770 IU 86-73-7------Fluorene\_\_\_\_\_ l U 3700 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_\_{ 3700 Ш 770 IJ { 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_{ IU 770 | 101-55-3----4-Bromophenyl-phenylether\_\_\_\_: 770 I U 118-74-1-----Hexachlorobenzene\_\_\_\_ 4300 87-86-5----Pentachlorophenol\_\_\_\_ 770 10 85-01-8-----Phenanthrene\_\_\_\_ IU 770 120-12-7-----Anthracene\_\_\_\_\_ 770 l U 84-74-2----Di-n-Butylphthalate\_\_\_\_\_ 770 1U 206-44-0-----Fluoranthene\_\_\_\_ ! U 770 1 129-00-0-----Pyrene\_\_\_\_\_ 770 ١U 85-68-7----Butylbenzylphthalate\_\_\_\_\_ 1 1500 : U | 91-94-1-----3,3'-Dichlorobenzidine\_\_\_\_\_| 770 IJ | 56-55-3-----Benzo(a)Anthracene\_\_\_\_! : U 770 218-01-9-----Chrysene\_\_\_\_\_ 1 117-81-7-----bis(2-Ethylhexyl)phthalate\_\_\_\_ 1700 IB. 770 I U ! 117-84-0----Di-n-Octyl Phthalate\_\_\_\_\_! IU 770 1 205-99-2----Benzo(b)Fluoranthene\_\_\_\_\_ 770 I U | 207-08-9-----Benzo(k)Fluoranthene\_\_\_\_\_ 10 770. 770 l U ! 193-39-5-----Indeno(1,2,3-cd)Pyrene\_\_\_\_! 770 ! U { 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_\_\_

1) - Cannot be separated from Diphenylamine

191-24-2-----Benzo(g,h,i)Perylene\_\_\_\_\_

5790

1 U

770

29880283

1b\_Name: WEYERHAEUSER

Contract:

でode: WEYER

Case No.: 00909 SAS No.:

SDG No.: 38163

strix: (soil/water) SOIL

Lab Sample ID: 38166

umple wt/vol:

25.7 (g/mL) 6

Lab File ID:

2BN1022C

:vel: (low/med) LOW

Date Received:

10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

C Cleanup: (Y/N) Y

٠ إ

pH:

Dilution Factor: 0.50

mber TICs found:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	l Q	1
1. 3779-61-1 2. 629-59-4 3. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 1	1,3,4-OCTATRIENE, 3,7-DIMETH TETRADECANE UNKNOWN	=======	4700 2900 18000 5300 4000 6500 10000 2600 19000 37000 17000 2900 4300 4900 4200	JX   JX   JX   JX   JX   JX   JX   JX	
8.	NUKNOMU         1           NUKNOMU         1           NUKNOMU         1	35.26   36.04   36.12	1700	IJX   IJX   IJX	

1/87 Rev.

IU

IJ

IU.

HU

HU

łU

. 1 U

860

400

860

860

860

860

4200

88-06-2----2,4,6-Trichlorophenol\_\_\_\_!

| 95-95-4-----2,4,5-Trichlorophenol\_\_\_\_| | 91-58-7-----2-Chloronaphthalene\_\_\_|

| 88-74-4-----2-Nitroaniline\_\_\_\_

| 131-11-3------Dimethyl Phthalate\_\_\_\_\_|

208-96-8-----Acenaphthylene\_\_\_\_\_

606-20-2----2,6-Dinitrotoluene\_\_\_\_

306B2653

b Name: WEYERHAEUSER Contract:

Code: WEYER Case No. . 00000 GAG No.

Case No.: 00909 SAS No.: SDG No.: 38163

trix: (soil/water) SOIL Lab Sample ID: 38167

mple wt/vol: 22.9 (g/mL) 6 Lab File ID: 2BN1022D

vel: (low/med) LOW Date Received: 10/17/89

Moisture: not dec. dec. Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc) Date Analyzed: 10/22/89

C Cleanup: (Y/N) Y pH: Dilution Factor: 0.50

CONCENTRATION UNITS:

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

99-09-2----3-Nitroaniline 4200 (U

99-09-2-----3-Nitroaniline\_\_\_\_\_ :U 840 l U | 51-28-5-----2,4-Dinitrophenol\_\_\_\_\_| 4200 l U ! 100-02-7------! 4200 IU | 132-64-9------Dibenzofuran\_\_\_\_| 860 l U | 121-14-2----2,4-Dinitrotoluene\_\_\_\_\_{ 860 l U 1 84-66-2----Diethylphthalate\_\_\_\_! 860 10 7005-72-3----4-Chlorophenyl-phenylether\_\_\_! 860 IU 86-73-7----Fluorene.\_\_\_ 860 IU | 100-01-6----4-Nitroaniline\_\_\_\_\_; 4200 Ш 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_\_ 4200 Ш | 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_! 860 ! U | i01-55-3-----4-Bromophenyl-phenylether\_\_\_! 860 HU 118-74-1-----Hexachlorobenzene\_\_\_\_ 630. l J | 87-86-5-----Pentachlorophenol\_\_\_\_\_| 56000 IE | 85-01-8-----Phenanthrene\_\_\_\_! 860 IU 120-12-7-----Anthracene\_\_\_\_! 860 I U 84-74-2----Di-n-Butylphthalate\_\_\_\_\_! 860 I U 206-44-0----Fluoranthene\_\_\_\_ 840 I U 860 ₹U 85-68-7----Butylbenzylphthalate\_\_\_\_\_ 860 ΙU 91-94-1-----3,3'-Dichlorobenzidine\_\_\_\_\_ 1700 IU | 56-55-3----Benzo(a)Anthracene\_\_\_\_\_; 860 LU 218-01-9-----Chrysene\_\_\_\_! 860 l U | 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_| 3600 E | 117-84-0----Di-n-Octyl Phthalate\_\_\_\_\_ 840 !U 1 205-99-2----Benzo(b)Fluoranthene\_\_\_\_I 860 1 U 207-08-9-----Benzo(k)Fluoranthene\_\_\_\_ 860 1U 4 50-32-8-----Benzo(a)Pyrene\_\_\_\_\_\_ 860 111 | 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_\_\_| 860 ; U 53-70-3------Dibenz(a,h)Anthracene\_\_\_\_\_[ 860 l U

1 191-24-2----Benzo(g,h,i)Perylene\_\_\_\_! 860 (U

(1) - Cannot be separated from Diphenylamine

×790

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

b\_Name: WEYERHAEUSER

Contract:

de: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

trix: (soil/water) SOIL

vel: (low/med) LOW

22.9 (g/mL) G

Lab File ID: 2BN1022D

mple wt/vol:

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

Lab Sample ID: 38167

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

C Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG mber TICs found: 20

		1		3		•	•	•		
CAS	NUMBER		COMPOUND NAME	1	RT	EST.	CONC.		2	l L
9(1) <b>1231 Elle 2231</b>	23 22 22 22 22 22 22 22 22 22 22 22 22 2			•	:======			====		
1. 5	8-90-2	I PHENOL,	2,3,4,6-TETRACHLORO-	- [	17.72	ŧ	<b>6500</b>	IJX		ŧ
2.		LUNKNOWN	• • •	1	24.79	1	8700	IJX		ļ
	8733-57-8	ISILANE.	TRICHLORGEICOSYL-	1	29.54	1 1	14000	IJΧ		ł
		UNKNOWN	•	ſ	31.36	; 1	5000	JX		i i
( , , )	-	LUNKNOWN		į	31.71	1 1	10000	IJХ		ŧ
d.		LUNKNOWN		ł	32.09	1 1	4000	IJX		ł
7.		IUNKNOWN	•	1	32.26	1	18000	IJX		ŧ
ė.		LUNKNOWN		1	32.54	1 11	.0000	IJХ		<b>!</b>
9.		UNKNOWN		1	32.66	1	6100	IJΧ		ł
lo.		UNKNOWN		ł	32.86	1 E	37000	ĮЈХ		;
11.		LUNKNOWN		1	33.04	1 1	17000	ĮЈХ		1
12.		UNKNOWN		!	33.39	1 2	20000	IJХ		ł
13.		UNKNOWN		ŧ	33.82		19000	ΙJΧ		1
14.		LUNKNOWN	•	1	34.22	; 3	39000	JX.	٠.,	
, 5.		LUNKNOWN		1				ЦIJХ	•	į
16.	· ·	LUNKNOWN		ļ	34.66	1 1	6000	ιJΧ		ł
17.		LUNKNOWN		į	34.82	1		IJX		1
		UNKNOWN	•	•	35.22	1		IJX		!
18.				-		,				1
19.		TUNKNOWN		i	35.34			IJX		1
.20.		LUNKNOWN		į	36.11	1 1	17000	IJX		ì.
		!		1		ł		1		l

30GB26S3DL

ab\_Name: WEYERHAEUSER Contract:

di Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

atrix: (soil/water) SOIL Lab Sample ID: 38167DL

smple wt/vol: 22.9 (g/mL) G Lab File ID: 2BN1023C

evel: (low/med) LOW Date Received: 10/17/89

Moisture: not dec. dec. Date Extracted: 10/19/89

(traction: (SepF/Cont/Sonc) Date Analyzed: 10/23/89

°C Cleanup: (Y/N) Y pH: Dilution Factor: 5.0

CONCENTRATION UNITS: COMPOUND CAS NO. (ug/L or ug/Kg) UG/KG Œ. i 108-95-2----Phenol 8400 IU | 111-44-4-----bis(2-Chloroethy1)Ether\_\_\_\_! 8600 : U | 95-57-8----2-Chlorophenol\_\_\_\_! 8600 I U | 541-73-1----1,3-Dichlorobenzene\_\_\_\_| 8600 l U | 106-46-7----1,4-Dichlorobenzene\_\_\_\_! 8400 HJ| 100-51-6----Benzyl Alcohol\_\_\_\_\_| 8600 10 8600 IU 95-48-7------! 8400 ш 108-60-1-----bis(2-Chloroisopropyl)Ether\_; 9400 l U 8600 I U | 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_| 8400 IU. 67-72-1-----Hexachloroethane\_\_\_\_ 8600 l U | 98-95-3----Nitrobenzene\_\_\_\_| 8600 HU | 78-59-1----Isophorone\_\_\_\_| 8600 111 | 88-75-5------| 9600 10 105-67-9----2,4-Dimethylphenol\_\_\_\_\_ 9600 10 1 65-85-0-----Benzoic Acid\_\_\_\_\_\_ 42000  $\mathbf{H}\mathbf{U}$ | 111-91-1----bis(2-Chloroethoxy)Methane\_\_\_! 8600 l U | 120-83-2----2,4-Dichlorophenol\_\_\_\_| 8600 !U | 120-82-1----1,2,4-Trichlorobenzene\_\_\_\_| 8600 łU. | 91-20-3-----Naphthalene\_\_\_\_| 8600 l U ! 106-47-8-----4-Chloroaniline\_\_\_\_! 8600 LU. 87-68-3----Hexachlorobutadiene\_\_\_\_ 8600 !!! 59-50-7-----4-Chloro-3-Methylphenol\_\_\_\_; 0048 l U 8600 l LI 77-47-4----Hexachlorocyclopentadiene\_\_\_! 8600 111 88-06-2----2,4,6-Trichlarophenol\_\_\_\_: 8600 IU 95-95-4-----! 42000 111 91-58-7----2-Chloronaphthalene\_\_\_\_; 8600 111 42000 IU. 131-11-3----Dimethyl Phthalate\_\_\_\_ 8400 l U 208-96-8-----Acenaphthylene\_\_\_\_! 8600 †U 606-20-2----2,6-Dinitrotoluene\_\_\_\_! 8600 -10

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ab Name: WEYERHAEUSER Contract:

ab( de: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

atrix: (soil/water) SOIL Lab Sample ID: 38167DL

ample wt/vol: 22.9 (g/mL) G Lab File ID: 2BN1023C

avel: (low/med) LOW Date Received: 10/17/89

Moisture: not dec. dec. Date Extracted: 10/19/89

(traction: (SepF/Cont/Sonc) Date Analyzed: 10/23/89

C Cleanup: (Y/N) Y pH: Dilution Factor: 5.0

	CAS NO.	COMPOUND			TION U ug/Kg)		Q	
!					ţ		. 1	Ş
1	99-09-2	-3-Nitroaniline			1	42000	IU.	l
•	83-32-9	-Acenaphthene			!	8600	IU	1
!		-2,4-Dinitrophenol				42000	١U	I
ţ		-4-Nitrophenol				42000	łЦ	ŧ
1	132-64-9	-Dibenzofuran			{	8600	₹U	i
ì	121-14-2	-2,4-Dinitrotoluen	⇒			9600	۱U	ł
į	84-66-2	-Diethylphthalate_				8600	I LI	1
•		-4-Chlorophenyl-ph				8600	ł U	1
1		-Fluorene				8600	ļЦ	1
ŀ	100-01-6	-4-Nitroaniline			{	42000	l U	1
ł	534-52-1	-4,6-Dinitro-2-Met	hylphen	ol_	1′	42000	IU	1
1		-N-Nitrosodiphenyl				8600	l U	Į.
ţ		-4-Bromophenyl-phe				8400	ł LJ	1
1	118-74-1	-Hexachlorobenzene				8600	ļЏ	Ş
į	87-86-5	-Pentachlorophenol				44000	I I)	1
í	85-01-8	-Phenanthrene				8600	łU	1
ļ	120-12-7	-Anthracene			1	8600	łШ	ŀ
i	84-74-2	-Di-n-Butylphthala	te		{	8600	l U	ŧ.
i	206-44-0	-Fluoranthene			}	8400	10	ŧ.
ŀ	129-00-0	-Pyrene		pur 11m		8600	I U	1
į	85-68-7	-Butylbenzylphthal	ate		,	8600	1U	•
ł	91-94-1	−3,3′−Dichlorobenz:	idine			17000	111	ş
!	56-55-3	-Benzo(a)Anthracen	e			8600	ΙU	i
ł	218-01-9	-Chrysene			{	° 8600	١U	1
1	117-81-7	-bis(2-Ethylhexyl)	phthala	te_	{	8600	H	ł
!	117-84-0	-Di-n-Octyl Phthal	ate			8600	¦U	1
;	205-99-2	-Benzo(b) Fluoranth	ene			8600	ΙIJ	1
ļ	207-08-9	-Benzo(k)Fluoranth	ene		<u></u> !	8600	LJ :	{
ł	50-32-8	-Benzo(a)Pyrene				8600	IU	ł
Į		-Indemo(1,2,3-cd)P				8600	l U	}
ļ	53-70-3	-Dibenz(a,h)Anthra	cene		}	8600	۱U	ł
ţ	191-24-2	-Benzo(g,h,i)Feryl	ene		t	8600	SU Y	
ŀ								- WOO
	1) - Cannot be s	eparated from Diph	enylami	กе				3730

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

306B26S3DL

th Name: WEYERHAEUSER

Contract:

b-Code: WEYER Case No.: 00909

SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID: 38167DL

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

Lab File ID:

2BN1023C

vel: (law/med) LOW

Date Received: 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 5.0

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

mber TICs found:

CAS NUMBER

1/87 Rev.

EPA\_SAMPLE\_NO SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET 31SECPS4 Contract: o Name: WEYERHAEUSER SDG No.: 38163 SAS No.: Case No.: 00909 ie: WEYER Lab Sample ID: 38168 trix: (soil/water) SOIL 2BN1022E Lab File ID: 22.4  $(a/mL) \Theta$ mple wt/vol: Date Received: 10/17/89 L\_OW vel: (low/med) Date Extracted: 10/19/89 doisture: not dec. dec. Date Analyzed: 10/22/89 (SepF/Cont/Sonc) traction: Dilution Factor: 0.50 C Cleanup: (Y/N) Y pHa CONCENTRATION UNITS: COMPOUND Q (ug/L or ug/Kg) UG/KG CAS NO. IU 880 108-95-2----Phenol 880 ! U 111-44-4-----bis(2-Chloroethyl)Ether\_\_\_\_\_ 88¢ l U 95-57-8----2-Chlorophenol\_\_\_\_ 880 ! U 541-73-1----1,3-Dichlorobenzene\_\_\_\_ 880 IU 106-46-7----1,4-Dichlorobenzene\_\_\_\_\_ 1 U | 100-51-6----Benzyl Alcohol\_\_\_\_\_\_ 880 | 95-50-1-----1,2-Dichlorobenzene\_\_\_\_\_| 980 IU l U 880 88¢ ! U 108-60-1------bis(2-Chloroisopropyl)Ether\_\_! ! U 880 890 l U 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_! 880 ! U | 67-72-1-----Hexachloroethane\_\_\_\_\_\_ 880 ΙU | 98-95-3-----Nitrobenzene\_\_\_\_| 680 [ [ ] | 78-59-1-----Isophorone\_\_\_\_\_ 880 ١U | 88-75-5-----2-Nitrophenol\_\_\_\_\_; 880 : U 1 105-67-9-----2,4-Dimethylphenol\_\_\_\_\_

2200

880

880

880

880

680

980

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880

880

680

880

880

880

880

2000

4300

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IU

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IU.

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| 65-85-0-----Benzoic Acid\_\_\_\_\_| | 111-91-1-----bis(2-Chloroethoxy)Methane\_\_\_|

| 120-83-2----2,4-Dichlorophenol\_\_\_\_| | 120-82-1----1,2,4-Trichlorobenzene\_\_\_\_|

| 91-20-3----Naphthalene

| 106-47-8-----4-Chloroaniline\_\_\_\_\_

91-57-6----2-Methylnaphthalene\_\_\_\_

| 77-47-4-----Hexachlorocyclopentadiene\_\_\_| | 88-06-2----2,4,6-Trichlorophenol\_\_\_\_|

95-95-4----2,4,5-Trichlorophenol\_\_\_\_

| 91-58-7------2-Chloronaphthalene\_\_\_\_\_|

| 131-11-3----Dimethyl Phthalate\_\_\_\_\_

606-20-2-----2,6-Dinitrotoluene\_\_\_\_

| 208-96-8-----Acenaphthylene

EPA SAMPLE NO.

th Name: WEYERHAEUSER

Contract:

b-Ćode: WEYER Case No.: 00909 SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID: 38168

mple wt/vol:

22.4 (g/mL) G

Lab File ID: 2BN1022E

vel: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

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

99-09-2-				ave or advida	GOTING	C.	
83-32-7	:			<b>{</b>		1 ~	i
83-32-7	i	99-09-2	-3-Nitroaniline		4300	1U	ł
51-28-52,4-Dinitrophenol	ł	- Bj-jz-7	-Acenachthere	į.	880	10	1
100-02-74-Nitrophenol	1	- 51-28-5	-2.4-Dinitrophenol	!	4300	TU .	
132-64-9	ţ	100-02-/	-4-Nitrophenol	1	4300	:U	1
121-14-22,4-Dinitrotoluene	I	132-64-9	-Dibenzofuran		880	10	1
84-66-2	.	121-14-2	-2.4-Dinitrotoluene		880	10	1
7005-72-3	i	84-66-2	-Diethylphthalate	1	880	1.0	1
86-73-7	į		-4-Chlaraaheavl-aheavl	ather !	880	<b>!</b> U	1
534-52-14,6-Dinitro-2-Methylphenol   4300   U   86-30-6N-Nitrosodiphenylamine (1)   880   U   101-55-34-Bromophenyl-phenylether   880   U   118-74-1	ł	86-73-7	-Fluorene		880	i.U	1
534-52-14,6-Dinitro-2-Methylphenol   4300   U   86-30-6N-Nitrosodiphenylamine (1)   880   U   101-55-34-Bromophenyl-phenylether   880   U   118-74-1	1	100-01-6	-4-Nitroaniline		4300	111	1
86-30-6	ţ	534-52-1	-4.6-Dinitro-2-Methylo	henol (	4300	!U	1
101-55-34-Bromophenyl-phenylether	1	86-30- <b>6</b>	-N-Nitrosodiphenylamin	e (1) {	880	ŧU	1
118-74-1	1	101-55-3	-4-Bromophenyl-phenyle	ether !	880	lu	-
87-86-5	ł	118-74-1	-Hexachlorobenzene	<u> </u>	880	ΙÜ	İ
85-01-8	1	87-86-5	-Pentachlorochecol	į.	1900000	ΙE	1
120-12-7	ł	85-01-8	-Phenanthrene	į.	340	łЈ	1
206-44-0	1	120-12-/	TANTHEACENE		880	lu	N.
129-00-0	i	O4-/4-2	~D1 ~D~RUTV! DDTDalate		880	! U	[
129-00-0	ł	~~U6-44-O	-fluoranthene	1	880	! U	1
91-94-13,3'-Dichlorobenzidine	;	7%4-00-0	-Fyrene		880	i U	<b>!</b>
91-94-13,3'-Dichlorobenzidine	1	00-00-/	"BUTYIDENZVIDhthalate	ŧ	880	:U	1
56-55-3Benzo(a)Anthracene	1	91-94-1	-3,3′-Dichlorobenzidin	e !	1800	{U	1
218-01-9	i	56-55-3	-Benzo(a)Anthracene		880	111	l
117-84-0Di-n-Octyl Phthalate	1	218-01-9	-Chrysene	1	880	ļ U	1
205-99-2Benzo(b)Fluoranthene	1	117-81-7	-bis(2-Ethylhexyl)phth	alate	880	l U	1
205-99-2Benzo(b)Fluoranthene	;	117-84-0	-Di-n-Octyl Phthalate_		880	١U	<b>!</b>
207-08-9Benzo(k)Fluoranthene	1	-205-99-2	-Benzo(b)Fluoranthene	!	880	IU	1
50-32-8Benzo(a)Pyrene		- 207-08 <b>-9</b>	-Benza(k)Fluorenthene	!	880	IU	1
173-39-5Indeno(1,2,3-cd)Pyrene	ì	50-32-8	-Benzo(a)Pyrene	<b>!</b>	680	:U	i
SS-70-3Dibenz(a.h)Anthracene	ì	173-39-5	-Indeno(1,2,3-cd)Pyren	<del>e</del> !	680	l U	!
191-24-2Benzo(g,h,i)Perylene	1	53-70-3	-Dibenz(a.h)Anthracene	Į.	880	l U	1
	ł	191-24-2	-Benzo(g,h,i)Perylene_		880	lu 🔻	I
	{_		وسية والما والمال المالية والمال والمال والمال والمال والمال والمال والمال والمال والمال والمال والمال والمال		,	l	

(1) - Cannot be separated from Diphenylamine

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

xb Name: WEYERHAEUSER Contracti

de: WEYER Case No.: 00909 SAS No.:

SD6 No.: 38163

atrix: (soil/water) SOIL

38148

imple wt/vol: 22.4 (g/mL) 6

Lab File ID:

2BN1022E

avel: (low/med) LOW

Date Received: 10/17/89

Lab Sample ID:

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

C Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

amber TICs found: 20 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME		EST. CONC.	Q	1
		•	•	•	1
1.80-56-8		1 6.20		\UX	1
2. 637-88-7	11,4-CYCLOHEXANEDIONE	12.32	44000	IJX	1
3. 58-90-2	IPHENOL, 2,3,4,6-TETRA	CHLORO-! 17.85	1 57000	IJX	l
<b>/</b> 55045-07	-3 IDODECANE, 2-METHYL-8-	PROFYL-! 19.90	3000	IJX	ł
	LUNKNOWN	23,24	8000	łЈХ	1
Ł	TUNKNOWN	1 23.49	5500	IJX	ţ
7. 6738-04-	1   1,1'-BIPHENYL, 2-PHEN	IDXY-   23.95	26000	IJX	ł
8.	LUNKNOWN	1 24.64	2200	1JX	1
ዎ.	:UNKNOWN	1 24.92	90000	tJX	ł
10.	TUNKNOWN	1 29.62	1 2000	IJX	!
11.	LUNKNOWN	30.17	14000	IJX	ţ
12.	LUNKNOWN	1 31.26	5700	ŧσx	ļ
13.	LANKNOMN	1 32.09	7400	IJX	[
14.	LUNKNOWN	1 32.59	100000	1JX`\	ŀ
15.	LUNKNOWN	1 32.92		IJX	l
16.	TUNKNOWN	33.81	5100	IJX	1
17.	LUNKNOWN	33.86		ΙJΧ	ì
18.	LUNKNOWN	34.24		ΙJΧ	1
19.	LUNKNOWN	34,44		IJX	!
20.	LUNKNOWN	1 34.76		IJX	•
394 C. M	1	1	1 10000	107	,



31SFCPS4DL

h Name: WEYERHAEUSER Contract:

Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

trix: (soil/water) SOIL Lab Sample ID: 38168DL

mple wt/vol: 22.4 (g/mL) G Lab File ID: 2BN1023D

vel: (low/med) LOW Date Received: 10/17/89

Moisture: not dec. dec. Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc) Date Analyzed: 10/23/89

C Cleanup: (Y/N) Y pH: Dilution Factor: 100

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 108-95-2----Phenol IU 180000 111-44-4----bis(2-Chloroethyl)Ether\_\_\_\_ 180000 111 180000 HU 541-73-1----1,3-Dichlorobenzene\_\_\_\_ 180000 1U | 106-46-7----1,4-Dichlorobenzene\_\_\_\_\_| 180000 1U 100-51-6-----Benzyl Alcohol\_\_\_\_! 1U 180000 | 95-50-1-----1,2-Dichlorobenzene\_\_\_\_| 180000 10 180000 IU 108-60-1-----bis(2-Chloroisopropyl)Ether\_\_! 180000 LU: 180000 1U 621-64-7----N-Nitroso-Di-n-Fropylamine\_\_\_\_ 180000 1 [] 67-72-1----Hexachloroethane\_\_\_\_ 180000 ; U 98-95-3----Nitrobenzene\_\_\_\_ 180000 111 ! 78-59-1----Isophorone\_\_\_! 180000 1U 180000 10 | 105-67-9----2,4-Dimethylphenol\_\_\_\_! 180000 IU 65-85-0----Benzoic Acid\_\_\_\_\_ 860000 10 | 111-91-1----bis(2-Chloroethoxy)Methane\_\_\_; 180000 IU. 120-83-2----2,4-Dichlorophenol ( 180000 ١U 120-82-1-----1,2,4-Trichlorobenzene\_\_\_\_\_! 180000 IU | 91-20-3----Naphthalene\_\_\_\_ 180000 1 U 106-47-8-----4-Chloroaniline\_\_\_\_\_ 180000 1U 87-68-3----Hexachlorobutadiene\_\_\_\_ 180000 HU 180000 IU 180000 111 77-47-4----Hexachlorocyclopentadiene\_\_\_: 180000 IU 88-04-2----2,4,6-Trichlorophenol\_\_\_\_\_ 180000 111 95-95-4----2,4,5-Trichlorophenol\_\_\_\_: 860000 IU 91-58-7----2-Chloronaphthalene\_\_\_\_| 180000 111 860000 1U 180000 1 U 208-96-8----Acenaphthylene\_\_\_\_ 180000 l U 606-20-2----2,6-Dinitrotoluene 180000 - ¦ U

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

31SFCP\$4DL

b Name: WEYERHAEUSER Contract:

de: WEYER

Case No.: 00709

SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

(low/med)

(q/mL) 6

Lab Sample ID:

Date Received:

38168DL

mple wt/vol:

vel:

Lab File ID:

2BN1023D 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction:

(Sepf/Cont/Sonc)

LOW

Date Analyzed: 10/23/89

C Cleanup:

(Y/N) Y

pH:

Dilution Factor: 100

CONCENTRATION UNITS:

(ug/L or ug/Kg) U6/K6 COMPOUND **©** CAS NO. 1 99-09-2-----3-Nitroaniline\_\_\_\_\_ 860000 IU 83-32-9----Acenaphthene\_\_\_\_! 180000 ! U | 51-28-5----2,4-Dinitrophenol\_\_\_\_\_| l U 860000 :U 860000 | 132-64-9----Dibenzofuran\_\_\_\_\_ ΙU 180000 | 121-14-2----2,4-Dinitrotoluene\_\_\_\_| 180000 IU 180000 1 U 7005-72-3----4-Chlorophenyl-phenylether\_\_\_: 180000 JU. 86-73-7-----Fluorene\_\_\_\_\_ 180000 IU. 100-01-6----4-Nitroaniline\_\_\_\_\_ : U 860000 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_! 860000 3 U 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_; 180000 IU. 101-55-3----4-Bromophenyl-phenylether\_\_\_\_; 180000 1U | 118-74-1----Hexachlorobenzene\_\_\_\_; 180000 łU ! 87-86-5----Pentachlorophenol\_\_\_\_! 750000 : DJ 85-01-8-----Fhenanthrene\_\_\_\_i 180000 I U | 120-12-7-----Anthracene\_\_\_\_| lU 180000 84-74-2----Di-n-Eutylphthalate\_\_\_\_: 180000 IU • 206-44-0-----Fluoranthene\_\_\_\_\_ ŧ U 180000 | 129-00-0-----Pyrene\_\_\_\_\_| 180000 Ш | 85-68-7----Butylbenzylphthalate\_\_\_\_! 180000 łU 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_\_ ١U 350000 56-55-3-----Benzo(a)Anthracene\_\_\_\_\_ l U 180000 | 218-01-9----Chrysene\_\_\_\_\_ ł U 180000 | 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_\_| 180000 Ш 117-84-0----Di-n-Octyl Phthalate\_\_\_\_\_ 180000 : [] 205-99-2----Benzo(b)Fluoranthene\_\_\_\_; 180000 ₹U | 207-08-9----Benzo(k)Fluoranthene\_\_\_\_ 180000 HU 50-32-8-----Benzo(a)Fyrene\_\_\_\_\_ 180000 łU 193-39-5----Indeno(1,2,3-cd)Fyrene\_\_\_\_! 180000 111 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_\_! 180000 :U 191-24-2----Benzo(g,h,i)Perylene\_\_\_\_! lU 180000

1) - Cannot be separated from Diphenylamine

## 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EFA SAMPLE NO.

Name: WEYERHAEUSER

Contract:

Code: WEYER Case No.: 00707 SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID: 38168DL

mple wt/vol:

22.4 (g/mL) G

Lab File ID:

2BN1023D

/el: (low/med) LOW

Date Received: 10/17/89

loisture: not dec. dec.

Date Extracted: 10/19/89

raction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 100

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

ber TICs found: 0

CAS NUMBER

COMPOUND NAME

FORM I SV-TIC

1/87 Rev.

| 131-11-3-----Dimethyl Phthalate\_\_\_\_|

77-47-4----Hexachlorocyclopentadiene\_\_\_\_

88-06-2----2,4,6-Trichlorophenol\_\_\_\_:

1 95-95-4-----2,4,5-Trichlorophenol\_\_\_\_\_|

| 91-58-7----2-Chloronaphthalene\_\_\_\_| 

208-96-8-----Acenaphthylene\_\_\_\_\_ 606-20-2----2,6-Dinitrotoluene\_\_\_\_ 980

980

970

980

980 980

980

4800

łU

! U

IJ

10

l U HU

111

·HU

2BN1022F

b Name: WEYERHAEUSER

Contract:

20.1 (g/mL) G

COMPOUND

Case No.: 00709 SAS No.: SDG No.: 38163

Lab File ID:

trix: (soil/water) SOIL

38169 Lab Sample ID:

Code: WEYER

mple wt/vol:

vel: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec.

CAS NO.

dec. Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/22/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

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

	CHO NO.	COLL COULT /CCC. COLD	Avea cove		G;	
1			<u> </u>	1		<b>!</b>
ì	99-09-2	3-Nitroaniline	4800	10		i
1	83-32-9	Acenaphthene		łU		1
į	51-28-5	2,4-Dinitrophenol	4800	ΙU		1
1	100-02-7	4-Nitrophenol	1 4800	ĮŲ		;
1	132-64-9	Dibenzofuran	1 980	10		1
ŧ	121-14-2	-2.4-Dinitrotoluene	\$ 980	IU		!
1	84-66-2	Diethylphthalate	1 980	ŧЦ		į
ţ	7005-72-3	4-Chlorophenyl-phenylether	1 980	١U		1
į	86-73-7	Fluorene	1 . 980	I LJ		<b>!</b> .
ł	100-01-6	4-Nitroaniline	1 4800	!U		1
ŧ	534-52-1	4,6-Dinitro-2-Methylphenol	1 4800	łU		į
į	86-30-6	-N-Nitrosodiphenylamine (1)	980	H		1
į	101-55-3	4-Bromophenyl-phenylether	.1 980	ΙU		1
į	118-74-1	-Hexachlorobenzene	1 780	ΙŲ		į
1	87-86-5	Pentachlorophenol	1 120000	ŧΕ		1
1	85-01-8	-Phenanthrene	430	13		1
i	120-12-7	Anthracene	1 980	Ш	•	J
ì	84-74-2	-Di-n-Butylphthalate	1 980	IU		1
1	206-44-0	-Fluoranthene	,1 980	ΙU		!
ļ	129-00-0	-Pyrene	<b>98</b> 0	1 []		1
!	85-68-7	-Butylbenzylphthalate	1 980	ΙIJ		t
į	91-94-1	-3,3'-Dichlorobenzidine	1 2000	! U		1
	56-55-3	Benzo(a) Anthracene	l <b>99</b> 0	ŧЦ		1
į	218-01-9	-Chrysene	1 980	IП		1
	117-81-7	-bis(2-Ethylhexyl)phthalate	1 6700	łB		ł
1	117-84-0	-Di-n-Octyl Phthalate	980	IJ		!
ļ	205-99-2	Benzo(b)Fluoranthene	1 980	١U		ł
;	207-08-9	-Benzo(k)Fluoranthene	1 980	l U		ļ
1	50-32-8	-Benzo(a)Pyrene	1 980	IU		1
{	193-39-5	-Indeno(1,2,3-cd)Pyrene	1 980	; U		1
1	53-70-3	-Dibenz(a,h)Anthracene	1 980	IП		1
1	191-24-2	-Benzo(g,h,i)Perylene	980	1U	1	ł
١.			***************************************	<u>.</u>		Į.

(1) - Cannot be separated from Diphenylamine

5790

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

b Name: WEYERHAEUSER

Contract:

de: WEYER Case No.: 00909 SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID: 38169

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

Lab File ID: 2BN1022F

yel: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

mber TICs found: 20

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc) ...

Date Analyzed: 10/22/89

C Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

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

CAS	NUMBER		COMPOUND	NAME		ł	RΤ	l	EST. CONC.	{ Q:	ŧ
**				_====	== == == == == == ==	<b>;</b> ===	:=====	: 1 #=	:== == == == == == == == == == == == ==	====	==
1.		UNKNOWN				ŧ	29.62	1	23000	ŀЈХ	ł
2.	•	UNKNOWN				Ī	31.41	1	17000	IJX	}
3.	1	UNKNOWN				1	32.31	l	20000	ŀЈХ	l
-		UNKNOWN	•			:	32.52	}	34000	ĮЈХ	1
	1	UNKNOWN				;	32.69	•	5500	IJX	l
6.	- 1	UNKNOWN			j	1	32.84	1	12000	XU!	1
7.	A	UNKNOWN				ł	32.94	!	9500	łЈХ	1
8.	1	UNKNOWN				{	33.07	į	25000	IJХ	1
9.	{	UNKNOWN				ļ	33.16	į	8900	IJХ	ŧ
10.	}	UNKNOWN				•	33.31	1	12000	IJХ	;
11.	!	UNKNOWN				1	33.44	į	19000	ŀЈХ	Į
12.	ļ	UMKNOWN				;	33.67	į	4900	IJX	ļ
13.	1	UNKNOWN				Į.	33.86	1	23000	¦JX	1
14.	į	UNKNOWN	•			!	34.17	ļ	22000	IJX 📐	- 1
.5.	<b>!</b>	UNKNOWN				ļ	34.27	Ę	12000	IJX	ŧ
16.	ł	UNKNOWN				į	34.44	i	8400	IJX	1
17.		UNKNOWN				!	34,46	i	6700	łЈХ	1
18.	Į.	UNKNOWN				i	34.84	1	11000	ΙJΧ	}
19.	-	UNKNOWN				1	35.24	į	9800	ŧЈХ	i
20.	!	UNKNOWN				į	35.36	1	9200	JX	ţ
	1					ŀ		1		;	1



32SCRPS5DL

ab Name: WEYERHAEUSER Contract:

Lode: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

trix: (soil/water) SOIL Lab Sample ID: 38169DL

mple wt/vol: 20.1 (g/mL) 6 Lab File ID: 2BN1023E

evel: (low/med) LOW Date Received: 10/17/89

Moisture: not dec. dec. Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc) Date Analyzed: 10/23/89

C Cleanup: (Y/N) Y pH: Dilution Factor: 6.5

			CONCEN	TRA	TION U	NITS:			
	CAS NO.	COMPOUND	(ug/L	or	ug/Kg)	UG/KG		C)	•
1					1				
f	108-95-2	Fhenal			1	12000	; ! U		1
1	111-44-4	-bis(2-Chloroethyl)	Fthar		!	12000	10		1
1	95-57-8	2-Chlorophenol	- ¢114-1	<del></del>	' !	12000	10		1
ļ	D41-/3-1	-1.3-Dichlorohenzen			1	12000	10		1 
1	106-46-7	-1,4-Dichlorobenzer	· · · · · · · · · · · · · · · · · · ·		'	12000	10		1
٠,	100-51-6	-Benzyl Alcohol			!	12000	10		£
1	95-50-1	-1,2-Dichlorobenzen				. 12000	10		1
1	~ '∀'-  4\  -{ /	-2-Methylahessi				12000	ΙIJ		1
ł	108-60-1	-bis(2-Chloroisopro	ovl)Eth	ner	;	12000	10.		•
ţ	106-44-5	-4-Methylphenol	123 - 1 1			12000	IU		1
1	621-64-7	-N-Nitrosa-Di-n-Pra	nvlamin	<b>7</b> 😝	<u>;</u>	12000	10		1
;	67-72-1	-Hexachloroethane			Į	12000			1
i	78-95-3	-Nitrobenzede			į.	12000	10		1
ļ	/b-57-1	T #ODDOCODE			ţ	12000	10		1
1	- HH-/D-D				į.	12000	Ш		1
1	105-67-9	-2,4-Dimethylphenol			'	12000	1 🗆		1
i	65-85-0	-Benzaic Acid	<del></del>		'	40000	10		1
1 5	111-91-1	-bis(2-Chloroethoxy	) Methan	) (C)		12000	10		•
;	120-83-2	-2.4-Dichlorophenol	•		!	12000	10		1
i	120-82-1	-1.2.4-Trichloroben	7 <b>0</b> 0 0		1	12000	: U		
į	91-20-3	-Naphthalene			'	12000	10		1 !
i	106-4/-8	-4-Chloroaniline			9	12000	111		1 !
ł	87-68-3	-Hexachlorobutadien	e		1	12000	10		1
i	59-50-7	-4-Chlara-3-Methvla!	benal		1	12000	ΙÜ		! !
i	91-57-6	-2-Methvloachthalen	G-		į.	12000	lu		1
1	//-4/4	-Hexachlorocyclonen:	tadiene	•	į.	12000	ΙÜ		!
ŧ	- 85-06-2	-2.4.6-Trichlorophe	നറി		1	12000	ΙŪ		!
ł	75-95-4	-2.4.5-Trichlorophe	201		.1	60000	l U		, !
- 1	~ T 1 ~ 38 ~ / ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	"Z"(D)(OCODADNTNALAN:	ETA		1	12000	ıu		, <b>!</b>
i	85-74-4	-2-Nitroaniline			!	60000	10		!
1	131-11-3	-Dimethyl Phthalate			1	12000	10		!
i	208-76-8	-Acenaphthylene		<b>:</b>	1	12000	ΙU	`\. H	900
!	606-20-2	-2,6-Dinitrotoluene			···································	12000	-10	<u>r4</u> .	790
1_					I		1	!	, }

2BN1023E

Contract: b Name: WEYERHAEUSER

Case No.: 00909 SAS No.: de: WEYER

SDG No.: 38163

trix: (soil/water) SOIL

20.1 (g/mL) G

Lab Sample ID: 38169DL

(low/med) LOW

Lab File ID:

Date Received: 10/17/89

Moisture: not dec.

mple wt/vol:

dec.

Date Extracted: 10/19/89

traction:

vel:

(SepF/Cont/Sonc)

Date Analyzed: 10/23/89

C Cleanup: (Y/N) Y

рHз

Dilution Factor: 6.5

CONCENTRATION UNITS:

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

!	<b>!</b>		1	<b>!</b>
:	99-09-23-Nitroaniline	60000	10	i
	83-32-9Acenaphthene	12000	IU	1
!	51-28-52,4-Dinitrophenol	60000	ΙU	1
!	100-02-74-Nitrophenol		1U	Ī
!	132-64-9Dibenzofuran		មេ	1
	121-14-22,4-Dinitrotoluene		łU	ţ
!	84-66-2Diethylphthalate	12000	IU	1
	7005-72-34-Chlorophenyl-phenylether!	12000	l U	<b>\$</b>
!	86-73-7Fluorene	12000	ŧυ	ł
!	100-01-64-Nitroaniline	60000	111	1
1	534-52-14,6-Dinitro-2-Methylphenol	60000	!U	1
i	86-30-6N-Nitrosodiphenylamine (1)!	12000	ΙU	ŀ
l	101-55-34-Bromophenyl-phenylether	12000	IU	1
1	118-74-1Hexachlorobenzene	12000	10	1
1	87-86-5Pentachlorophenol	88000	(D)	ł
ŀ	85-01-8	12000	IU	<b>1</b>
i	120-12-7Anthracene	12000	I U	1
1	B4-74-2Di-n-Butylphthalate	12000	រុម	1
1	206-44-0Fluoranthene!	1/2000	IU	ł
1	129-00-0Fyrenei	12000	113	1
!	85-68-7Butylbenzylphthalate	12000	IU	i
!	91-94-13,3'-Dichlorobenzidinei		10	1
!	56-55-3Benzo(a)Anthracene	12000	IП	ž
!	218-01-9	12000	IU	ŧ
!	117-81-7bis(2-Ethylhexyl)phthalate	9900	(BDJ	ł
!	117-84-0Di-n-Octyl Phthalate!		IU	ţ.
!	205-99-2Benzo(b)Fluoranthene	12000	l U	ł
!	207-08-9Benzo(k)Fluoranthene	12000	IU	Ţ
1	50-32-8Benzo(a)Pyrene	12000	!U	ł
1	193-39-5Indeno(1,2,3-cd)Pyrene;	12000	НU	ļ
1	53-70-3Dibenz(a,h)Anthracene		HU	1
.1	191-24-2Benzo(g,h,i)Perylene	12000	TU 🚿	1
ξ.			. }	1

Cannot be separated from Diphenylamine

ib Name: WEYERHAEUSER

Contract:

ode: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

strix: (soil/water) SOIL

Lab Sample ID:

38169DL

umple wt/vol:

20.1 (g/mL) G

Lab File ID:

2BN1023E

evel: (low/med) LOW

Date Received:

10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

(traction: (SepF/Cont/Sonc)

Date Analyzed:

10/23/89

°C Cleanup: (Y/N) Y

:Hq

Dilution Factor: 6.5

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

umber TICs found:

COMPOUND NAME

RT

FORM I SV-TIC

1 33SDCHS2

Ab Name: WEYERHAEUSER Contract:

trix: (soil/water) SOIL Lab Sample ID: 38170

ample wt/vol: 10.7 (g/mL) G Lab File ID: 2BN1023I

evel: (low/med) LOW Date Received: 10/17/89

Moisture: not dec. dec. Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc) Date Analyzed: 10/24/89

C Cleanup: (Y/N) Y pH: Dilution Factor: 0.50

CONCENTRATION	UNITS:
•	

	CAS NO.	COMPOUND	(ug/L	or	ug/Kg)	UG/K8		Q	
1					ł		<b>:</b>		1
i	108-95-2	Phenol	-i ibm km² was snii san asr			1.800	١U		ł
į	111-44-4	-bis(2-Chloroethy):	) Ether		<b>‡</b>	1800	FU		ł
7	95-57-8	2-Chlorophenol			1	1800	10		!
1	541-73-1	−1,3−Dichlorobenze:	16			1800	١U		}
1	106-46-7	-1,4-Dichlorobenze	ne:		1	1800	۱U	1	l
٠ !	100-51-6	-Benzyl Alcohol			1	1800	ΙU	!	ł
1	95-50-1	-1,2-Dichlorobenze	ne.		ţ	1800	I U	!	l
١.	95-48-7	-2-Methylphenol			{	1800	١U	1	}
	108-60-1	-bis(2-Chloroisopro	opyl)Et	her		1800	. <b>I</b> U	!	
1	106-44-5	-4-Methylphenol			1	1800	CHU :	1	}
ļ	621-64-7	-N-Nitrosa-Di-n-Pro	imslyac	ne	ł	1800	ΉU	!	
ì	67-72-1	-Hexachloroethane				1800	IU	,	}
1	98-95-3	-Nitrobenzene			Į	1800	IU	;	1
;	78-59-1	-Isophorone				1800	ΙU	1	
1	88-75-5	-2-Nitrophenol			1	1800	ŧυ	-1	1
ł	105-67-9	-2,4-Dimethylphenol	Į		ł	1800	IU	1	
ł	- <b>65-85-0</b>	-Benzoic Acid			1	9000	10	,	<b> </b> .
i	111-91-1	-bis(2-Chloroethoxy	/)Metha	ne	1	1800	ŧU	ļ	•
Į	120-83-2	-2,4-Dichloropheno:	<u> </u>		1	1800	HU		
1	120-82-1	-1.2.4-Trichlorober	izene		Į.	1800	١U	.5	
į	91-20-3	-Nachthalene			1	1800	10	ļ	
i	105-4/-8	-4-Chloroaniline			ł	1800	ΙU	Į.	
į	87-68-3	-Hexachlorobutadied	າ ເ≘		1	1800	١U	1	
- 1	59-50-7	-4-Chloro-3-Methvlo	henol		1	1800	I U	}	
ļ	91-57-6	-2-Methylnaphthaler	ne –			1800	ΙU	ţ	
ļ	77-47-4	-Hexachlorocycloper	ntadien	œ,	1	1800	:U	į	
l	88-06-2	-2.4.6-Trichlorophe	enal		ł	1800	H	ļ	
1	95-95-4	-2,4,5-Trichlorophe	encl		į	9000	ТU	!	
ì	91-58-7	-2-Chloronaphthaler	j G		ļ	1800	ΙU	1	
ŀ	88-74-4	-2-Nitroaniline			{	9000	IU	ļ	
1	131-11-3	-Dimethyl Phthalate	<u>.</u>		1	1800	I U	ļ	
,I	208-96-8	-Acenaphthylene	1.64		}	1800	I U	$\sim$ 1	
8	606-20-2	-2,6-Dinitrotoluene	2 			1800	чU	1	Ή,
							1	;	

5790

EPA SAMPLE SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET ab Name: WEYERHAEUSER Contract: Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163 strix: (soil/water) SOIL Lab Sample ID: imple wt/vol: 10.7 (g/mL) 6 Lab File ID: 2BN1023I evel: (low/med) LOW Date Received: 10/17/89 Moisture: not dec. Date Extracted: 10/19/89 dec. :traction: (SepF/Cont/Somc) Date Analyzed: 10/24/89 °C Cleanup: (Y/N) Y pH: Dilution Factor: 0.50 CONCENTRATION UNITS:

		ימוזרכוז ועו	HITCH CH	イエージニ		
CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	(	2
1	÷		1		1.	1
1 99-09-2	3-Nitroaniline		ł	9000	ÌU	
83-32-9	Acenaphthene		{	1800	ŧŪ	•
5128-5	2.4-Digitrophenol		į	9000	IU.	ì
100-02-7	4-Nitrophenol		ţ	9000	1U	
1.52-64-9	Dibenzofuran		1	1800	i U	
121-14-2	2.4-Dinitrotoluene		•	1800	ίŪ	i
84-66-2	Diethylphthalate		1	1800	ΙŪ	i i
- 7005-72-3	4-Chlorophepv1-abed	vlether	!	1800	ΙŪ	i
86-73-7 <i></i>	Fluorene		1	1800	ίŪ	į
100-01-0	4-Nitroaniline			9000	ΙŪ	i
534-52-1	4,6-Dinitra-2-Methy	'lphenol	!	9000	ΙÜ	ì
86-30-6	N-Nitrosodiphenylam	ine (1)	1	1800	ίŪ	i
101-55-3	·····4-Bromophenvl-phenv	lether	1	1.800	ίŪ	i
118-74-1	Hexachlorobenzene		1	1800	lÜ	i
87 <b>~86~5</b> ~~~~	Pentachlorophenol		1	3000	ij	į
85-01-8	Phenanthrene		!	1800	ΙŪ	i
120-12-7	Anthracene		!	1800	ΙŪ	
84-/4-2	Di-n-Butvlohthalate	•	<b>.</b>	1800	10	
206-44-0	Fluoranthene			1800	ΙU	i
129-00-Q	Pyrene			1800	ΙÜ	i
85-68-7	Butylbenzylphthalat	æ	1	1,800	ΙÜ	i
91-94-1	3.3'-Dichlorobenzid	ine	i	3700	ΙŪ	į
-56-55-3	Benzo(a)Anthracene		<u> </u>	1800	i U	1
218-01-9	Chrysene			1800	ıu	,
117-81-7	bis(2-Ethylhexyl)ph	thalate		1800	lu	1
117-84-0	Di-n-Octvl Phthalat	€ .	ļ	1800	IÜ	
205-99-2	Benzo(b)Fluoranthen	e 		1800	ΙU	i
207-08-9	Benzo(k)Fluoranthen	e	1	1800	10	; !
50-32-8	Benzo(a)Fyrene		· '	1800	ΙÜ	,
193-39-5	Indeno(1,2,3-cd)Pyr	ene		1800	! Ü	•
53-70-3	Dibenz (a,h) Anthrace	ne	·	1800	10	1
191-24-2	Benzo(g,h,i)Perylen	E)	<u>;</u>	1800	10	\ I
			'	عامر عمار وسه مد		1
I) - Cannot b	e separated from Diphem	ylamine				म्790
		,				سيرو حزار

b Name: WEYERHAEUSER

Contract:

de: WEYER

Case No.: 00909 SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID:

mple wt/vol:

10.7 (g/mL) 6

Lab File ID:

2BN1023I

vel: (low/med) LOW

10/17/89 Date Received:

Moisture: not dec. dec.

mber TICs found:

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/24/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

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

CAS	NUMBER	COMPOUND NAME	1	ŖΤ	EST. CONC.	l Q	į
761 431 EE S	: ::::::::::::::::::::::::::::::::::::		=====	======		-	ł
1.	3779-61-1	11,3,6-OCTATRIENE, 3,7-D	IMETH!	6.27	250000	IJX	ļ
2.		TUNKNOWN	1	24.09	41000	IJХ	ł
3.		LUNKNOWN-	ł	24.27	140000	ŧЈХ	į
		LUNKNOWN	1	24.95	420000	IJX	ł
	41756-14-3	18A (2H) -PHENANTHRENOL, 7	-ETHE!	25.26	47000	IJX	ł
6.		TUNKNOWN	<b>!</b>	25.91	45000	1JX	ł
7.		TUNKNOWN	l	25.97	43000	IJX	ļ
8.	629-97-0	IDÖCOSANE	ţ	26.29	42000	!JX	ł
9.		LUNKNOWN	I	26.91	46000	ŀЈХ	;
10.		LUNKNOWN	1	27.42	130000	IJX	!
11.		LUNKNOWN	}	27.89	73000	ijХ	Į
12.		TUNKNOWN	ţ	28.51	92000	IJX	i
13.		LUNKNOWN .	i	29.62	170000	łJX į	i
14.		TUNKNOWN	1	30.07	240000	IJX 🔪	ţ
15.		LUNKNOWN	ł	30.51	1 520000	13X	1
16.	62 <b>9</b> -99-2	! PENTACOSANE	1	30.69	110000	IJХ	1
17.		LUNKNOWN	·	31.62	t 51000	ΙJΧ	ł
18.	630-02-4	10CTACOSANE	ł	32.56	34000	IJX	1
19.		: UNKNOWN	1	32.82	52000	ΙJΧ	1
20.	630-03-5	INONACOSANE	1	33.47	21000	łЈХ	;
		Ĭ	!		!	ŧ	<b>!</b>

DRMWSTS1

b Name: WEYERHAEUSER Contract:

Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

trix: (soil/water) SOIL Lab Sample ID: 38171

mple wt/vol: 22.0 (g/mL) G Lab File ID: 2BN1023J

vel: (low/med) LOW Date Received: 10/17/89

Moisture: not dec. dec. Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc) Date Analyzed: 10/24/89

C Cleanup: (Y/N) Y pH: Dilution Factor: 0.50

108-95-2		CAS NO.	COMPOUND	CONCEN (ug/L			NITS: UG/KG		Q
111-44-4	ł					1		1	!
111-44-4	ł	108-95-2	Fhenol			1	900	1U	ŧ
95-57-8	1	111-44-4	b:s(/!.b!oroetbyl)	Fther		- 1	900	ΙU	{
106-46-7	1	95-57-8	2-Chlorophenol			1	900	١U	1
106-46-7	Į	541-/5-1	1.3-Dichlorobenzer	3 <del>C</del>		1	900	<b>‡</b> ⊔	1
100-51-6	į.	106-46-7	1.4-Dichlorobenzer	ne		!	900	۱U	1
95-30-1	1	100-51-6	-Benzyl Alcohol			-1	900	1U	l.
95-48-72-Methylphenol	, t	95-50-1	1,2-Dichlorobenzer	ne		1	900	l U	- 1
108-60-1bis(2-Chloroisopropyl)Ether	1	95-48-7	-2-Methylphenol			1	900	10	;
106-44-54-Methylphenol	ŧ	108-60-1	bis(2-Chloroisopro	spyl)Eti	her	1	900	Į U	1
621-64-7	. [	106-44-5	4-Methvlphenol			1 1	900	ĺυ	1
67-72-1	ł	621-64-7	N-Nitraga-Di-a-Pro	www.lamir	n co	!	900	ΙU	1
78-75-3Nitrobenzene	ţ	67-72-1	-Hexachloroethane			Į.	900	١U	1
78-37-1	ļ		·-·Nitrobenzene			1	900	IJ	1
105-67-92,4-Dimethylphenol   900  U   65-85-0Benzoic Acid   4400  U   111-91-1bis(2-Chloroethoxy)Methane   900  U   120-83-22,4-Dichlorophenol   900  U   120-82-11,2,4-Trichlorobenzene   900  U   120-82-11,2,4-Trichlorobenzene   900  U   120-82-11,2,4-Trichlorobenzene   900  U   120-83Naphthalene   900  U   120-83	Į	/6-57-1	····Isaaharaae			!	900	lU	1
105-87-92,4-Dimethylphenol	ł		-2-Nitrophenol			į.	900	ťυ	!
4400	ŝ		-2.4-Dimethylphenol			ļ.	900		1
111-91-1	ł	65-65-0	-Benzoic Acid			1	4400	113	is.
120-83-22,4-Dichlorophenol	;		-bis(2-Chloroethoxv	)Methar	<b>1</b> ←		900		i
120-82-11,2,4-Trichlorobenzene	ļ	120-83-2	-2.4-Dichlorophenol			!	900		į
106-47-8	1	120-82-1	-1.2.4-Trichloroben	Zene		1	900		į
106-47-84-Chloroaniline	ŧ	- Y1-20-3	-Naphthalene				900		į
87-68-3	1	106-4/-8	-4-Chloroaniline			Į.	900		į
59-50-74-Chloro-3-Methylphenol	1	8/-68-3	-Hexachlocobutadies			!	900	. –	į
71-5/-62-Methylnaphthalene	ļ	59-50-7	-4-Chloro-3-Methylo	henol		į	900	iu	i
7/-4/-4	ł	71-5/-6	-2-Methvlmaphthalen	e		٠ :	900		ļ
88-06-22,4,6-Trichlorophenol	ł	//-4/-4	-Hexachlorocycloped	tadiene	5	!	900		i
95-95-42,4,5-Trichlorophenol	į	88-04-2	-2.4.6-Trichlorophe	nal		!	900	• —	i
91-58-72-Chloronaphthalene	į	75-75-4	-2.4.5-Trichlaronhe	nal		!	, -		·
131-11-3Dimethyl Phthalate  4400  U	1	71-58-7	-2-Chloronaphthalen	æ		!			í
131-11-3Dimethyl Phthalate  900  U     208-96-8Acemaphthylene   900  U	ş	88-/4-4	-2-Nitroaniline			ļ.			i
; 208-76-8Acemaphthylene	í	151-11-3	-Dimethyl Phthalate			I			
606-20-22,6-Dinitrotoluene   900  U	ţ	X08-A9-R	-Acenaphthylene		•	<b>!</b>			\
	Į.	606-20-2	-2,6-Dinitrotoluene					. –	
	1_							i	i

Contract: b Name: WEYERHAEUSER

🐼 le: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

Lab Sample ID: 38171 trix: (soil/water) SOIL

Lab File ID: 2BN1023J mple wt/vol: 22.0 (g/mL) G

Date Received: 10/17/89 vel: (low/med) LOW

Date Extracted: 10/19/89 Moisture: not dec. dec.

traction: (SepF/Cont/Sonc) Date Analyzed: 10/24/89

Dilution Factor: 0.50 C Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	(ug/L	OI.	ug/Kg)	UG/KG		G
ļ					! !		1	Ţ
i	99-09-2	-3-Nitroaniline			!	4400	۱U	ł
ţ	83-32-9	-Acenaphthene			{	900	1U	1 2
1	51-28-5	-2,4-Dinitrophenol_			1	4400	1U	!
f	100-02-7	-4-Nitrophenol			.1	4400	١U	ł.
1	132-64-9	-Dibenzofuran			1	900	١U	ŧ
1	121-14-2	-2,4-Dinitrotoluene				900	łU	ł
į	84-66-2	-Diethylphthalate			1	900	10	1
	7005-72-3	-4-Chlorophenyl-phe	nyleth	er_	;	900	ΙU	1
ï	86-73-7	-Fluorene <u>.</u>				900	IU.	. 1
ŧ	100-01-6	-4-Nitroaniline				4400	IU	1
-	534-52-1	-4,6-Dinitro-2-Meth	ylphen	ol_	1	4400	۱U	1
5		-N-Nitrosodiphenyla				900	١U	}
1	101-55-3	-4-Bromophenyl-phen	ylethe	۲r		900	IU	1
;	118-74-1	-Hexachlorobenzene_			(	900	ΙU	;
ŧ	87-86-5	-Pentachlorophenol_		,	\	4400	١U	1
1	85-01-8	-Phenanthrene		, ,,, <del></del>	:	900	IU	Į
ļ	120-12-7	-Anthracene				900	I U	A
ļ	84-74-2	-Di-n-Butylphthalat	€	~		900	łU	<b>;</b>
1	206-44-0	-Fluoranthene			[	900	ТU	1
į	129-00-0	-Pyrene			ļ	900	١U	ļ.
É	85-68-7	-Butylbenzylphthala	te			950	1	l
i	91-94-1	-3,3'-Dichlorobenzi	dine		{	1800	١U	1
1	56-55-3	-Benzo(a)Anthracene				900	ΙÜ	1
ļ	218-01-7	-Chrysene	pro em			900	١U	1
į	117-81-7	-bis(2-Ethylhexyl)p	hthale	ιte_		900	IU	ł
ì	117-84-0	-Di-n-Octyl Phthala	te		1	900	ΙU	1
1	205-99-2	-Benzo(b)Fluoranthe	ne		l	900	Ш	1
ŧ		-Benzo(k)fluoranthe				900	!U	1
ł	50-32-8	-Benzo(a)Pyrene				900	HU.	1
1		-Indeno $(1,2,3-cd)$ Py				<b>9</b> 00	ΙU	1
		-Dibenz(a,h)Anthrac				900	łU	ł
ł		-Benzo(g,h,i)Feryle				900	IU	<b>\</b>
٠				· 			1	

EPA SAMPLE NO.

ab Name: WEYERHAEUSER

Contract:

Code: WEYER Case No.: 00909 SAS No.:

SDG No.: 38163

atrix: (soil/water) SOIL

Lab Sample ID: 38171

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

Lab File ID: 2BN1023J

≥vel: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/24/89

°C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

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

umber TICs found: 20

1. 80-54-8	CAS NUM	  BER	COMPOUND NAME		   	RT	! EST.	CONC.	Q	1
2. 871-83-0   NONANE, 2-METHYL-   9.57   2400   JX   3. 637-88-7   11,4-CYCLQHEXANEDIONE   12.74   1600   JX   10000   10000   10000   10000   10000   10000   10000   100	1.80-5	i4-8 ;	.ALPHAPINENE (	ACN)	!	A. 20	====== 	:	•	= ¦
3. 637-88-7	2. 871-				•	*	•			
UNKNOWN					1		!			i
UNKNOWN	~~~			20(1)	•	and the second second	1			i
6.   TUNKNOWN   15.25   25000   1JX   7.   TUNKNOWN   17.69   14000   1JX   8.   TUNKNOWN   23.92   54000   1JX   9.   TUNKNOWN   24.14   63000   1JX   10.   TUNKNOWN   24.14   63000   1JX   11.   TUNKNOWN   25.11   3300   1JX   12.   930-02-9   TUNKNOWN   25.14   1700   1JX   13.   TUNKNOWN   25.17   3200   1JX   14.   TUNKNOWN   25.34   6500   1JX   15.   TUNKNOWN   26.94   4800   1JX   15.   TUNKNOWN   26.94   4800   1JX   16.   TUNKNOWN   27.02   4100   1JX   17.   TUNKNOWN   27.59   9000   1JX   18.   TUNKNOWN   29.76   15000   1JX   19.   TUNKNOWN   30.01   35000   1JX   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.0000   10.0000   10.0000   10.0000   10.0000   10.0000   10.0000   10.0000   10.0000   10.0000   10.0000   10.00000   10.00000   10.00000   10.00000   10.00000   10.00000   10.00000   10.000000   10.000000   10.000000   10.000000   10.000000   10.0000000   10.0000000   10.0000000   10.000000000   10.000000000   10.000000000   10.0000000000	و کلید ک				,					i
7.   UNKNOWN   17.69   14000   JX   8.   UNKNOWN   23.92   54000   JX   9.   UNKNOWN   24.14   63000   JX   10.   UNKNOWN   24.90   75000   JX   11.   UNKNOWN   25.11   3300   JX   12. 930-02-9   OCTADECANE, 1-(ETHENYLOXY)-   25.14   1700   JX   13.   UNKNOWN   25.17   3200   JX   14.   UNKNOWN   25.34   6500   JX   15.   UNKNOWN   26.94   4800   JX   15.   UNKNOWN   27.02   4100   JX   17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   27.59   9000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   20.01   35000   JX   10.01   35000   JX   30.01   30.01   30.01   30.01   30.01   30.01   30.01   30.01   30.01   30.01   30.01   30.01   3										i
8.   UNKNOWN   23.92   54000   JX   9.   UNKNOWN   24.14   63000   JX   10.   UNKNOWN   24.90   75000   JX   11.   UNKNOWN   25.11   3300   JX   12. 930-02-9   OCTADECANE, 1-(ETHENYLOXY)- 25.14   1700   JX   13.   UNKNOWN   25.17   3200   JX   14.   UNKNOWN   25.34   6500   JX   15.   UNKNOWN   26.94   4800   JX   15.   UNKNOWN   26.94   4800   JX   16.   UNKNOWN   27.02   4100   JX   17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   27.59   9000   JX   19.   UNKNOWN   30.01   35000   JX   19.   UNKNOWN   30.01   35000   JX   19.   1000   1			·		1		i 1			1
9.   UNKNOWN   24.14   63000   JX   10.   UNKNOWN   24.90   75000   JX   11.   UNKNOWN   25.11   3300   JX   12. 930-02-9   OCTADECANE, 1-(ETHENYLOXY)-   25.14   1700   JX   13.   UNKNOWN   25.17   3200   JX   14.   UNKNOWN   25.34   6500   JX   15.   UNKNOWN   26.94   4800   JX   15.   UNKNOWN   26.94   4800   JX   17.   UNKNOWN   27.02   4100   JX   17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   20.01   35000   JX   10.01   35000   JX   10.01   3			– , ,		ì		i .			1
10.   UNKNOWN   24.90   75000   JX   11.   UNKNOWN   25.11   3300   JX   12.930-02-9   OCTADECANE, 1-(ETHENYLOXY)-   25.14   1700   JX   13.   UNKNOWN   25.17   3200   JX   14.   UNKNOWN   25.34   6500   JX   15.   UNKNOWN   26.94   4800   JX   16.   UNKNOWN   27.02   4100   JX   17.   UNKNOWN   27.59   9000   JX   17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   30.01   35000   JX   10.01   350000   35000   350000   350000   350000   350000   350000   35				•	i		_			i
11.   UNKNOWN   25.11   3300   JX   12. 930-02-9   OCTADECANE, 1-(ETHENYLOXY) - 25.14   1700   JX   13.   UNKNOWN   25.17   3200   JX   14.   UNKNOWN   25.34   6500   JX   15.   UNKNOWN   26.94   4800   JX   16.   UNKNOWN   27.02   4100   JX   17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   30.01   35000   JX   19.   UNKNOWN   30.01   35000   JX   19.   10000   JX   100000    JX   1000000   JX   1000000   JX   1000000   JX   10000000   JX   10000000   JX   100000000   JX   100000000   JX   1000000000   JX   1000000000   JX   100000000000000000000000000000000000			· ·		i			43000 J	JX	1
12. 930-02-9   OCTADECANE, 1-(ETHENYLOXY) -   25.14   1700   JX   13.   1UNKNOWN   25.17   3200   JX   14.   1UNKNOWN   25.34   6500   JX   15.   1UNKNOWN   26.94   4800   JX   16.   1UNKNOWN   27.02   4100   JX   17.   1UNKNOWN   27.59   9000   JX   18.   1UNKNOWN   29.76   15000   JX   19.   10NKNOWN   30.01   35000   JX   19.   10NKNOWN   30.01   35000   JX   19.   10NKNOWN   30.01   35000   JX   10NKNOWN   30.01   35000   JX   10NKNOWN   30.01   35000   JX   35000					1	24.90	1	75000	JX	ł
13.   UNKNOWN   25.17   3200   JX   14.   UNKNOWN   25.34   6500   JX   15.   UNKNOWN   26.94   4800   JX   16.   UNKNOWN   27.02   4100   JX   17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   30.01   35000   JX   20.01   35000   JX   19.   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   1000000   1000000   1000000   1000000   1000000   1000000   1000000   10000000   10000000   100000000					l	25.11	1	3300 8	JΧ	ŧ
14.   UNKNOWN   25.34   6500   JX   15.   UNKNOWN   26.94   4800   JX   16.   UNKNOWN   27.02   4100   JX   17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   30.01   35000   JX   19.   UNKNOWN   30.01   35000   JX   19.   UNKNOWN   30.01   35000   JX   19.   10000   10000   10000   10000   10000   10000   10000   10000   10000   10000   10000   10000   10000   10000   10000   10000   10000   10000   100000   10000   10000   10000   10000   10000   10000   10000   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   1000000   1000000   1000000   1000000   10000000   10000000   10000000   100000000				THENYLOXY)-	Ì	25.14	1	1700	JX	ţ
15.   UNKNOWN   26.94   4800   JX   16.   UNKNOWN   27.02   4100   JX   17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   30.01   35000   JX   19.   UNKNOWN   30.01   35000   JX   19.   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   100000   1000000   1000000   1000000   1000000   1000000   1000000   1000000   10000000   10000000   10000000   10000000   10000000   10000000   100000000		I	NWKWOMN .		l	25.17	<b>!</b>	3200 (	JX	1
15.   UNKNOWN   26.94   4800   JX   16.   UNKNOWN   27.02   4100   JX   17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   30.01   35000   JX   20.   14.   15.		1	UNKNOWN		l i	25.34	i	6500 I	JX	1
16.   UNKNOWN   27.02   4100   JX   17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   30.01   35000   JX   20.01   35000   JX   19.   1		1	UNKNOWN		1	26.94	<b>!</b>		•	i
17.   UNKNOWN   27.59   9000   JX   18.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   30.01   35000   JX   19.		1	UNKNOWN		į	27.02	l			•
18.   UNKNOWN   29.76   15000   JX   19.   UNKNOWN   30.01   35000   JX   20.		I	UNKNOWN		ŧ	27.59	] }	-		ì
19.   UNKNOWN   30.01   35000   JX		<b>[</b>	UNKNOWN		1	29.76				ì
20 116660666		1	UNKNOWN							;
	20.	I UNKNOWN		<b>;</b>						i
	·				1			2,20	<i>-</i>	1

				-	a de la companya de l	
SEMIVOLATI	LE ORGANICS ANALY	SIS DATA SHEET	EP	A-SAMF	PLE NO.	
b_Wame: WEYERHAEUS	ER	Contract:	1 0	CLUTNS	38	1
	Case No.: 00709	SAS No.:	SDG No.	: 3816	53	•
trix: (soil/water)	SOIL	Lab Sample	ID: 38	172		
mple wt/vol:	24.2 (g/mL) G	Lab File ID	: 2BI	N1023A	4	
vel: (low/med)	LOW	Date Receiv	ed: 10	/17/89	7	
Moisture: not dec.	dec.	Date Extrac	ted: 10	/19/85	7	
traction: (SepF/	Cont/Sonc)	Date Analyz	ed: 10	/23/89	7	
C Cleanup: (Y/N)	Y pH:	Dilution Fac	ctor: O	. 50		
CAS NO.	COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg) U		Q		
111-44-4   95-57-8   541-73-1   106-46-7   100-51-6   95-50-1   75-48-7   108-60-1   106-44-5   621-64-7   67-72-1   98-95-3   78-59-1	Phenolbis(2-Chloroet2-Chlorophenol1,3-Dichlorobe1,4-DichlorobeBenzyl Alcohol1,2-Dichlorobe2-Methylphenolbis(2-Chlorois4-MethylphenolN-Nitroso-Di-nHexachloroethadNitrobenzeneIsophorone2,4-Dimethylphenol	hyl)Ether  nzene  nzene  opropyl)Ether  -Fropylamine	820 820 820 820 820 820 820 820 820 820			

-----Benzoic Acid 440 111-71-1-----bis(2-Chloroethoxy)Methane\_\_\_\_ 820 ŧ U 120-83-2-----2,4-Dichlorophenol\_\_\_\_\_ 820 Ш 120-82-1-----1,2,4-Trichlorobenzene\_\_\_\_\_ 820 IШ 91-20-3----Naphthalene 820 1U 106-47-8-----4-Chloroaniline\_ 820 Ш 87-68-3----Hexachlorobutadiene 820 IU 820 ! U 820 !U 77-47-4----Hexachlorocyclopentadiene\_\_\_\_{ 820 IU 88-06-2----2,4,6-Trichlorophenol\_\_\_\_\_ 820 IU 95-95-4----2,4,5-Trichlorophenol\_\_\_\_\_ 4000 91-58-7----2-Chloronaphthalene\_\_\_\_\_ 820 HU. 4000 1 U 820 ΙU 208-96-8----Acenaphthylene\_\_\_\_\_ 820 IU 606-20-2-----2,6-Dinitrotoluene\_\_\_\_ 820 - 10

FORM I SV-1

1/87 Rev.

EPA SAMPLE NO.

10/23/89

Contract: 1b Name: WEYERHAEUSER

Case No.: 00909 SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

39172 Lab Sample ID:

mple wt/vol:

24.2 (g/mL) G

Lab File ID: 2BN1023A

evel:

(low/med) LOW

Date Received: 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

Date Analyzed:

CONCENTRATION UNITS:

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

	-	<del>(</del>		
,		<b>.</b>	1	l
!	99-09-23-Nitroaniline	4000	Ш	1
-	83-32-9Acenaphthene	820	١U	I
1	51-28-52,4-Dinitrophenol	4000	14	1
1	100-02-74-Nitrophenal	160	١J	1
ŧ	132-64-9Dibenzofuran	l 820	ŧυ	1
1	121-14-22.4-Dinitrotoluene	820	IU	1
91	84-66-2Diethylphthalate	820	TU	1
١/١	7005-72-34-Chlorophenyl-phenylether	820	IU	1
1	86-73-7Fluorene	820	l U	l
1	100-01-64-Nitroaniline	4000	!U	1
l	534-52-14,6-Dinitro-2-Methylphenol	4000	ТU	1
I	86-30-6N-Nitrosodiphenylamine (1)	820	IU	1
ŧ	101-55-34-Bromophenyl-phenylether	820	Ш	1
;	118-74-1Hexachlorobenzene	820	111	1
ŀ	87-86-5Pentachlorophenol	550000	IE	1
1	85-01-8Phenanthrene	110	IJ	1
ł	120-12-7Anthracene	820	IU	1
;	84-74-2Di-n-Butylphthalate	820	١U	I
1	206-44-0Fluoranthene	820	łU	1
1	129-00-0	. 88	١J	ļ
į	85-68-7Butylbenzylphthalate	820	۱U	1
1	91-94-13,3'-Dichlorobenzidine	1600	ŧU	1
	56-55-3Benzo(a)Anthracene	820	ŧυ	1
į	218-01-9Chrysene	820	IU	<b>;</b>
1	117-81-7bis(2-Ethylhexyl)phthalate	4800	l B	ł
1	117-84-0Di-n-Octyl Phthalate	820	; U	1
ŧ	205-99-2Benzo(b)Fluoranthene	820	НU	1
1	207-08-9	820	1U	•
ł	50-32-8Benzo(a)Pyrene	820	١U	‡ †
1	193-39-5Indeno(1,2,3-cd)Pyrene (	820	IU	f
ł	53-70-3Dibenz(a,h)Anthracene	820	H	(
	191-24-2Benzo(g,h,i)Perylene	820	l U	1476
2.0	· ·		1	1 1 7

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

#### -1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Name: WEYERHAEUSER Contract: OCLUTIVSB

e: WEYER Case No.: 00909 SAS No.:

SDG No.: 38163

arix: (soil/water) SOIL

Lab Sample ID:

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

Lab File ID: 2BN1023A

/el: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

raction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

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

ber TICs found: 19

	‡ \$	1		<b>!</b>	1	ŧ
CAS NUMBER	COMPOUND NAME	1	RT	I EST. CONC.	i O	ł
: # = = = = = = = = = = = = = = = = = =		=   =			=   ====	=
1.	! UNKNOWN	į	9.25	1 2600	XLI	1
2. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	-	17.84	35000	IJX	ł
3.	LUNKNOWN	ł	22.74	1 2400	lJX	ł
<u> </u>	TUNKNOWN	•	22.99	1 6000.	IJX	ţ
~_i 7-10-3	HEXADECANDIC ACID	1	23.60	5000	XLI	ŧ
6.	TUNKNOWN	j	23.74	4700	IJX	1
<b>フ.</b>	LUNKNOWN	į	24.60	1 8600	IJX	1
8. 1438-62-6	11-NAPHTHALENEPROPANOL, .ALPH	11	24.84	! 31000	IJX	<b>!</b>
9. 41756-14-	3 (8A(2H)—PHENANTHRENOL, 7—ETHE	<u> </u>	25.17	4600	IJX	1
0.	LUNKNOWN	į	25.49	14000	IJХ	;
1.	LUNKNOWN	1	28.27	1 3500	XLI	Ţ
2.	LUNKNOWN	1	28.41	2100	JJX	į
3.	HUNKNOWN .	į	29., 46	1 2900	IJX	i
4,	LUNKNOWN	1	29.56	ł 7500	IJX	1
5).	LUNKNOWN	i	30.57	1 3500	IJX	ł
ģ.	I UNKNOWN	f	31.56	1 3900	IJХ	ſ
7 .	HUNKNOWN	ì	32.42	1 5400	IJХ	1
S.	IUNKNOWN	1	35.26	7200	ijΧ	1
P.	I UNKNOWN	i	37.76	1 5400	IJX	!

ab Name: WEYERHAEUSER

Contract:

Case No.: 00707

SAS No.:

SDG No.: 38163

atrix: (soil/water) SOIL

Lab Sample ID: 38172DL

ample wt/vol:

Code: WEYER

24.2 (g/mL) G Lab File ID:

2BN1023F

avel:

(low/med) LOW

Date Received:

10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

(traction: (SepF/Cont/Sonc)

Date Analyzed:

10/23/89

°C Cleanup: (Y/N) Y

pH:

Dilution Factor: 50

CONCENTRATION UNITS:

	CAS NO.	СОМРОИМО	(ug/L or	ug/Kg)	UG/KG	(	<u> </u>
į				!		!	4
l	108-95-2	-Phenol		1	82000	iu	!
1	111-44-4	-bis(2-Cbloroetbyl)	5 * P & C	<u> </u>	82000	.u	1
1	75-57-8	-2-Chlorophenol			82000	10	) !
1	- 541-/5-1	-1.3-Dichlorobenzend	<b>-</b>		82000	IU	1
1	106-46-7	-1.4-Dichlarabenzen	=	ļ.	82000	1.0	
1	100-51-6	-Benzyl Alcohol		1	82000	iŭ.	i
	- Y5~50~1~~~~~~	-1.2-Dichlarabeazen/	<b>=</b>	<u>!</u>	B2000	i ii	
	95-48-7	-2-Methvlohenol		1	82000	ίũ	i
}	108-60-1	-bis(2-Chlaraisaara	っつ1)だとわっ	ir-	82000	ΙŪ	ì
1	106-44-5	-4-Methylphenol		1	82000	10	i
ţ	621-64-/	-N-Nitroso-Di-o-Fra	പ്രജസ്ഥല		82000	i u	i
}	67-72-1	-Hexachloroethane		į	82000	įŪ	i
1	- 78-95·-3	-Witrohoozene		1	82000	iū	i
1	/8-59-1	-Isabbarane		!	82000	ΙÜ	j
1		-z**Wite Connenal		:	82000	ιŪ	į
;	105-6/-9	-2.4-Dimethvlohenol		ļ.	82000	i U	i
;	- 65~65-0~~~~~~	-Benzoic Acid		1	400000	ΙÜ	ŀ
ł	111-71-1	-bis(2-Chloroethox∨)	Methane	Į	82000	ΙŪ	
1	120-83-2	-2.4-Dichloranheagl		1	82000	LU	İ.
ţ	120-82-1	-1.2.4-Trichlorobenz	ene	1	82000	ΙU	
1	71-20-3	-Nachthalene			82000	łЦ	1
1	100-4/-6	-4-Chloroaniline		•	82000	:U	1
t	8/-68-3	-Hexachlorobutadiene	5	<b>!</b>	82000	l U	ł
}	- 59-50-7	-4-Cblorn-3-Methylob	enol .	<u>!</u>	82000	IU	ł
1	91-57-6	-2-Methvlnanhthalene	<b>&gt;</b>	ļ.	82000	IU	1
i	//4/-4	:Hexachlorocyclonent	adiene	1	82000	łU	1
ì	- 88-06-Z	-2.4.6-Trichloropher	ירוז י	į	82000	Ш	1
1	75-75-4	-2.4.5-Trichlorophed	ım)	ļ	400000	l U	}
1	- ブレーンセー/	-2-Chloronachthalene	2	1	82000	łЦ	1
1	88-/4-4	·2-Nitroaniline		!	400000	: U	1
1	1.51-11-3	-Dimethyl Phthalate_		!	82000	10	1
A00-	208-04-0	. A L & L 1		4			

208-96-8-----Acenaphthylene\_\_\_\_!

606-20-2----2,6-Dinitrotoluene\_\_\_\_!

82000

OLCVTNS8DL

C

SDG No.: 38163

Contract: Lb\_Wame: WEYERHAEUSER

Case No.: 00909

COMPOUND

CAS NO.

de: WEYER

SAS No.:

Lab Sample ID: 38172DL (trix: (soil/water) SOIL

2BN1023F Lab File ID: 24.2 (q/mL) G mple wt/vol:

10/17/89 Date Received: (low/med) LOW evel:

Date Extracted: 10/19/89 Moisture: not dec. dec.

Date Analyzed: 10/23/89 (SepF/Cont/Sonc) traction:

Dilution Factor: 50 (Y/N) Y :Ha C Cleanup:

CONCENTRATION UNITS:

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

400000 ŧ U | 83-32-9----Acenaphthene\_\_\_\_| 82000 IU 400000 **!**U | 51-28-5----2,4-Dinitrophenol\_\_\_\_\_ l U 400000 | 100-02-7----4-Nitrophenol\_\_\_\_\_; 82000 ļШ 132-64-9----Dibenzofuran\_\_\_\_! IU 82000 !U 82000 | 84-66-2----Diethylphthalate\_\_\_\_\_ 7005-72-3----4-Chlorophenyl-phenylether\_\_\_! IU 82000 82000 ł U 86-73-7----Fluorene\_\_\_\_ 400000 I U 400000 IU 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_: 82000 IU 1 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_: 1U | 101-55-3----4-Bromophenyl-phenylether\_\_\_\_| 82000 82000 10 | 118-74-1-----Hexachlorobenzene\_\_\_\_\_ ! DJ 230000 | 87-86-5----Pentachlorophenol\_\_\_\_ 82000 !U 85-01-8-----Phenanthrene\_\_\_\_ 82000 IU 120-12-7-----Anthracene\_\_\_\_ IU. 82000 \$ 84-74-2----Di-n-Butylphthalate\_\_\_\_\_ 82000 l U 206-44-0-----Fluoranthene\_\_\_\_ l U 82000 | 129-00-0-----Pyrene\_\_\_\_ 82000 HU | 85-68-7----Butylbenzylphthalate\_\_\_\_\_ :U 91-94-1-----3,3'-Dichlorobenzidine\_\_\_\_\_\_: 160000 82000 l U 56-55-3-----Benzo(a)Anthracene\_\_\_\_| 82000 IU. 1 21B-01-9-----Chrysene\_\_\_\_ | 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_ 82000 I U 82000 IU 117-84-0-----Di-n-Octyl Phthalate\_\_\_\_ 82000 { U 205-99-2----Benzo(b)Fluoranthene\_\_\_\_\_ 111

| 207-08-9----Benzo(k)Fluoranthene\_\_\_\_\_

| 193-39-5-----Indeno(1,2,3-cd)Fyrene\_\_\_\_|

1 53-70-3----Dibenz(a,h)Anthracene\_\_\_\_\_|

50-32-8----Benza(a)Pyrene\_\_\_\_

191-24-2----Benzo(g,h,i)Ferylene\_\_\_\_\_

209

82000

82000

82000 82000

82000

łU

IU

t U

!U

<sup>1) -</sup> Cannot be separated from Diphenylamine

EPA SAMPLE NO.

b\_Name: WEYERHAEUSER

Contract:

b Code: WEYER Case No.: 00909 SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID:

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

Lab File ID:

2BN1023F

38172DL

:vel: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 50

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

mber TICs found:

COMPOUND NAME

EST. CONC.

CAS NUMBER

FORM I SV-TIC

1/87 Rev.

SDG No.: 38163

38173

2BN1023G

Q.

. Contract: b Name: WEYERHAEUSER

Case No.: 00909 SAS No.:

Lab Sample ID: trix: (soil/water) SOIL

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

Date Received: 10/17/89 vel: (low/med) LOW

Date Extracted: 10/19/89 Moisture: not dec. dec.

Date Analyzed: 10/23/89 traction: (SepF/Cont/Sonc)

Dilution Factor: 5.0 C Cleanup: (Y/N) Y ¤H¤

CONCENTRATION UNITS:

Lab File ID:

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

	CHO NO.	,			
<u> </u>	1		}	1	
į	109-95-2Phenol	9500	HU	1	
:	111-44-4bis(2-Chloroethyl)Ether	9500	IU	1	
•	95-57-82-Chlorophenol	9500	18	1	
:	541-73-11,3-Dichlorobenzene	9500	١U	1	
į	106-46-71,4-Dichlorobenzene	9500	ΙU	1	
	100-51-6Benzyl Alcohol	9500	ΙU	1	
:	95-50-11,2-Dichlorobenzene	9500	I-U	-	
1			ΙIJ	1	
	95-48-7	9500	Į U	1	
ļ	106-44-54-Methylphenol	9500	: U ;	1	
•	106-44-5	9500	IU	1	
!	67-72-1Hexachloroethane	9500	IJ	1	
!	98-95-3Nitrobenzene	9500	ΙU	1	
;	78-59-1Isophorone	9500	łU	\$	
•	88-75-52-Nitrophenol	9500	ļU	1	
	105-67-92,4-Dimethylphenol	9500	łШ	į	
-	65-85-0Benzoic Acid	46000	łU	1	
!	111-91-1bis(2-Chloroethoxy)Methane	9500	1U	1	
į	120-83-22,4-Dichlorophenol	9500	Ш	1	
i	120-82-11,2,4-Trichlorobenzene	9500	IJ	1	
	91-20-3Naphthalene	9500	10	į	
ì	106-47-84-Chloroaniline		ΙU	1	
;	87-48-3Hexachlorobutadiene	9500	lU	ţ	
ļ	59-50-74-Chloro-3-Methylphenol!	9500	١U	1	
!	91-57-62-Methylnaphthalene	9500	ł U	ţ	
į	77-47-4Hexachlorocyclopentadienei	9500	! <b>(</b> .)	ļ.	
	88-06-22,4,6-Trichlorophenol	9500	IJ	£	
	95-95-4		U	Į.	
	91-58-72-Chloronaphthalene		ŀЦ	1	
	88-74-4		. } U	Į.	
	131-11-3Dimethyl Phthalate		۱U		
. (	208-96-8Acenaphthylene	9500	ΙIJ	- N	
٤,	606-20-22,6-Dinitrotoluene		14	1	
•			1	1	١.

SRFCMPS&

Mame: WEYERHAEUSER

Contract:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID: 38173

mple wt/vol:

Code: WEYER

20.8 (q/mL) G

Case No.: 00707

2BN10236

vel: (low/med) LOW

SAS No.:

Date Received: 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction:

(SepF/Cont/Sonc)

Date Analyzed:

Lab File ID:

10/23/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 5.0

CONCEV	ITRATION	U	NITS:
1 /1			1.10% 41.24

			CUNCENTR	ATION UI	VIȚS:		
	CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG		Q.
				į		1	1
l	99-09-2	-3-Nitroaniline		{	46000	Ìυ	
	R7-75-A	-Acenaphthene		!	9500	ΙU	
		-2.4~Dinitrochecol		1	46000	ŧШ	
	100-02-/	-4-Nitrophenol		!	46000	I U	
	102-64-7	-Dibenzofuran		1	9500	1 🗓	
	121-14-2	-2.4-Dinitrotaluene	,	4	9500	1U	
	D4-66-X	-Diethvlohthalate	_	1	9500	ΙÜ	Ì
	/005-/2-3	-4Chloropheov1che	nvletber	1	9500	I U	,
	- Bb-/5-/	-Fluorene		1	9500	ΙÜ	}
		-4Nitroaniline		1	46000	ΙŪ	
		-4.6-Dinitra-2-Meth	viohenci	Į.	46000	ΙÜ	. !
	86-30-6	-N-Nitrosodiphenyla	mine (1)		9500	111	i
	すべす。屋屋 フ	4				. –	

118-74-1-----Hexachlorobenzene\_\_\_\_\_{ 87-84-5-----Pentachlorophenol\_\_\_\_\_| 85-01-8-----Fhenanthrene\_\_\_\_

85-68-7----Butylbenzylphthalate\_\_\_\_\_

117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_!

117-84-0----Di-n-Octyl Phthalate\_\_\_\_

205-99-2----Benzo(b)Fluoranthene\_\_\_\_\_

207-08-9-----Benzo(k)Fluoranthene\_\_\_\_(

| 193-39-5-----Indeno(1,2,3-cd)Pyrene\_\_\_\_\_;

| 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_\_|

191-24-2----Benzo(g,h,i)Perylene\_\_\_\_\_

| 56-55-3----Benzo(a)Anthracene\_\_\_\_!

218-01-9-----Chrysene\_\_\_\_

9500 l U 9500 lU. 480000 ΙE 9500 l U

120-12-7-----Anthracene\_\_\_\_: 9500 ΙU | 84-74-2----Di-n-Butylphthalate\_\_\_\_\_ 9500 !U 206-44-0----Fluoranthene\_\_\_\_\_ 9500 1 U | 129-00-0-----Pyrene\_\_\_\_\_

9500 HU 9500 19000 ł U

9500 LU 9500 : U 9500 I U

9500 ; U

9500

9500

9500 H 9500 HU. 9500 Ш 9500 I U

l U

111

Cannot be separated from Diphenylamine

ab\_Name: WEYERHAEUSER

Contract:

th) de: WEYER

Case No.: 00909 SAS No.:

SDS No.: 38163

atrix: (soil/water) SOIL

Lab Sample ID:

20.8 (g/mL) 6 Lab File ID:

2BN1023G

evel: (low/med) LOW

Date Received: 10/17/89

Date Extracted: 10/19/89

mple wt/vol:

Moisture: not dec. dec.

(traction: (SepF/Cont/Sonc)

Date Analyzed: 10/23/89

CCCleanup: (Y/N) Y

₽H#

Dilution Factor: 5.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG umber TICs found:

CAS	NUMBER	I COMPOUND NAME	1	RT	l E	ST. CONC.	l Q	1
e====	_========		==:		===	eeeeeeee	] =====	ł
1.	17301-23-4	UNDECANE, 2,6-DIMETHYL-	l	11.89	ŀ	500000	ΙJΧ	1
.— 		LUNKNOWN	1	13.04	ł	650000	:JX	ţ
3.		LUNKNOWN .	1	13.54	ł	430000	IJХ	ļ
	641B-41-3	TRIDECANE, 3-METHYL-	1	13.85	1	270000	ΙJΧ	l
( 13		HUNKNOWN	ŀ	14.89	1	250000	IJX	1
K	629-59-4	TETRADECANE	1	15.29	1	580000	IJX.	ŗ
7.		LUNKNOWN	Ş	16.27	!	230000	IJХ	ì
8.	74645-98-0	IDODECANE, 2,7,10-TRIMETHYL-	i	16.87	}	270000	łЈХ	•
9.		HUNKNOWN	1	24.79	i	160000	ŀЈХ	1
10.		LUNKNOWN	1	26.71	ļ	70000	IJX	į
11.		LUNKNOWN	i	29. <del>9</del> 4	ļ	18000	IJX	į
12.		TUNKNOWN	}	30.94	1	53000	IJX	1
13.		LUNKNOWN .	1	31.17	ļ.	52000	IJХ	1
14.		LUNKNOWN	ł	31.32	1	24000	IJX	1
15.		IUNKNOWN	1	31.89	[	72000	IJХ	1
16.		IUNKNOWN	ł	32.21	1	58000	IJХ	}
17.		LUNKNOWN	1	32.84	ļ	52000	IJX	1
18.		HUNKNOWN	}	32.96	ļ	36000	IJХ	ł
19.		LUNKNOWN	1	33.21	ţ	49000	ΙJΧ	1
20.		LUNKNOWN	ţ	33,76	i .	54000	ŀJХ	1
		1			1		į	į.



EFA SAMPLE NO.

3b\_Name: WEYERHAEUSER

Contracts

ານ Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

strix: (soil/water) SOIL

Lab Sample ID: 38173DL

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

Lab File ID:

BN1106V

evel: (low/med) LOW

Date Received:

10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 11/07/89

'C Cleanup: (Y/N) Y

pH:

Dilution Factor: 25

CONCENTRATION UNITS:

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

ţ		<b>[</b>	1	ŧ	
1	108-95-2Fhenol	48000	١U	1	
1	111-44-4bis(2-Chloroethy1)Fther	48000	ŧŪ		
į	95-57-82-Chlorophenal	! 49000	IU	1	
i		1 49000	10	i	
1	196-46-71.4-Dichlorobenzene	! 4ደሰሰብ	1 🗆		
1	100-31-6Benzyl Alcohol	1 48000	10		
\L	- YD-DO-11.2-Dichlorobenzene	1 49000	18		
4	95-48-72-Methy1pheno1	48000	10		
ł	- 198-69-1	፤ ለወሰለል	1 U	1	
l	106-44-54-Methylphenol	48000	: U	i	
1	- 0217947/N-N-N1thoso-D1-a-Proovlanina	$A \Omega \cap O \cap O$	10	;	
i	67-72-1Hexachloroethane	1 48000	ıü	•	
ŧ	- 76-75-3	1 40000	ŧÜ	i	
;	/8-57-1	! 4.0000	1 🗓		
i	- 00 \ 07	1 49000	10	į	
ļ	- 19376/77~~~~~~?.4~0imethylnhandl	! 40000	U	į	
ł	GC-GD-QBenzoic Acid	! 230000	!!!	1	
ţ	-iii-7i-1	! ልይለስስ	: U	1	
1	120-83-22.4-Dichlorophenol	! 48000	10	,	
ļ	**************************************	49000	: U		
1	71-20-3Naphthalene	1 49000	10	•	
i	196-4/-64-Chloroaniline	1 49000	10	•	
1	- U/OU-SHexachlorobutadiana	! 49000	10	,	
ŀ	-57-50-74-Chloro-%-Methylphenel	! ለወለለለ	10	;	
1	71-5/-62-Methvlnanhthalene	! <b>4.8</b> 000	1 🗆	,	
1	//~4/~4~~~~~~~~~dexachlororvolopentadiana	! ልፀሰሰስ	; <u>U</u>	•	
ì	88-06-22,4,6-Trichlorophenol	. 48000   48000	; <u>U</u>	1	
1	95-95-42,4,5-Trichlorophenol	l 230000	1[]	1	
{	91-58-72-Chloronaphthalene	. 250000 1 48000	H	; 1	
ţ	88-74-42-Nitroamiline	. 70000 l 230000	113	i	
į	131-11-3Dimethyl Phthalate	1 230000 1 48000	: U	j j	
ł	208-96-8Acenaphthylene	1 48000 1 48000	: U	\ 1	
1	606-20-22,6-Dinitrotoluene	1 48000 1 48000	-	i 1	
ļ	and a few and at a first of the few for the few first and the few first first and the same state and the same	·	· 1 U	i	
•••			1		

SRFCMPS6DL

ab\_Name: WEYERHAEUSER

Contract:

b de: Wi

e: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

atrix: (sqil/water) SQIL

(low/med)

Lab Sample ID:

\_

20.8 (q/mL) G

Lab File ID:

BN1106V

38173DL

imple wt/vol:

avel:

zora (g/me/ c

Date Received:

10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction:

(SepF/Cont/Sonc)

LOW

Date Analyzed: 11/07/89

°C Cleanup:

(Y/N) Y

BH:

Dilution Factor: 25

CONCENTRATION UNITS:

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

99-09-2----3-Nitroaniline\_\_\_\_\_ 230000 ŧυ | 83-32-9-----Acenaphthene\_\_\_\_| HU 48000 230000 ŀШ | 51-28-5----2,4-Dinitrophenol\_\_\_\_! 230000 :U 48000 Ш ': 121-14-2----2,4-Dinitrotoluene\_\_\_\_ 48000 !U 84-66-2----Diethylphthalate\_\_\_\_ 48000 ! U 7005-72-3-----4-Chlorophenyl-phenylether\_\_\_\_ 48000 ŧ U

 85-68-7------Butylbenzylphthalate\_\_\_\_\_
 48000 | U

 91-94-1-----3,3'-Dichlorobenzidine\_\_\_\_\_
 95000 | U

 56-55-3------Benzo(a)Anthracene\_\_\_\_\_
 48000 | U

1) - Cannot be separated from Diphenylamine

191-24-2----Benzo(g,h,i)Perylene\_\_\_\_\_

48000

١U

EPA SAMPLE NO.

ab\_Name: WEYERHAEUSER

Contract:

でode: WEYER

Case No.: 00707 SAS No.:

SDG No.: 38163

atrix: (soil/water) SOIL

Lab Sample ID:

imple wt/vol: 20.8 (g/mL) 6

Lab File ID:

BN1106V

38173DL

≥vel: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

:traction: (SepF/Cont/Sonc)

Date Analyzed: 11/07/89

°C Cleanup: (Y/N) Y

pH:

Dilution Factor: 25

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

imber TICs found:

CAS NUMBER

COMPOUND NAME

Name: WEYERHAEUSER

Contract:

'e: WEYER Case No.: 00909 SAS No.: SD6 No.: 38163

rix: (soil/water) SOIL

Lab Sample ID:

Lab File ID: 2BN1023K

rel: (low/med) LOW

Date Received: 10/17/89

loisture: not dec. dec.

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

Date Extracted: 10/19/89

eraction: (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)	NG/KG	Q
			1		

į	<b>.</b>		1	:
) !	108-95-2Phenol	840	łυ	ł
!	109-95-2	840	١U	I
!	95-57-82-Chlorophenol	840	۱u	1
1	541-73-11,3-Dichlorobenzene	840	IU	ı
į	106-46-71,4-Dichlorobenzene	840	łU	1
;	100-51-6Benzyl Alcohol		ţU	1
!	95-50-11,2-Dichlorobenzene		١U	1
1	95-48-72-Methylphenol		113	;
	108-60-1bis(2-Chloroisopropyl)Ether	. 840	۱u	1
1	106-44-54-Methylphenol	840	١U	<u> </u>
! }	621-64-7N-Nitroso-Di-n-Propylamine	840	ΙU	ļ
!	67-72-1	840	ŧυ	;
· !	98-95-3Nitrobenzene	840	ΙU	1
' !	78-59-1Isophorone	840	١U	I
' !	88-75-52-Nitrophenol	840	łu	1
!	105-67-92,4-Dimethylphenol		١U	1
' !	65-85-0Benzoic Acid		۱u	1
!	111-91-1bis(2-Chloroethoxy)Methane	840	IU	٠,١
!	120-83-22,4-Dichlorophenol		١U	1
!	120-82-11,2,4-Trichlorobenzene	840	IU	1
!	91-20-3Naphthalene	840	łU	1
! !	106-47-84-Chloroaniline	840	ΙU	;
!	87-68-3Hexachlorobutadiene	840	ΙU	!
i	59-50-74-Chloro-3-Methylphenol		ΙU	1
· }	91-57-62-Methylnaphthalene		ł U	į
•	77-47-4Hexachlorocyclopentadiene		H	1
!	88-06-22,4,6-Trichlorophenol	840	łU	1
•	95-95-42,4,5-Trichlorophenol	4100	10	1
!	91-58-72-Chloronaphthalene_		IU	1
	88-74-42-Nitroaniline		١U	1
!	131-11-3Dimethyl Phthalate	840	١U	f
i	208-96-8Acenaphthylene		10	N 1
١,	606-20-22,6-Dinitrotoluene		-∤U	{
•	and the titled 35ml years after the their tree.	l		

ab\_Name: WEYERHAEUSER

Contract:

SAS No.:

SDG No.: 38163

atrix: (soil/water) SOIL

Lab Sample ID: 38174

imple wt/val:

Code: WEYER

23.5 (g/mL) G

Case No.: 00909

Lab File ID: 2BN1023K

מוֹנָּ

evel:

Date Received: 10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction:

(SepF/Cont/Sonc)

Date Analyzed: 10/24/89

'C Cleanup: (Y/N) Y

(low/med) LOW

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

			COMPERATURE	TOM OF	MIIDI			
	CAS NO.	COMPOUND	(ug/L or u	g/Kg)	UG/KG		Q	
	1			1		1		1
	99-09-2	3-Nitroaniline		1	4100	Ш		ł
	; 83-32-9	Acenaohthene		!	840	ΙÜ		ţ
	: D1-25-5	2.4-Dinitrophenol		1	4100	IU		į.
	100-02-7	4-Nitrophenol		!	4100	1U		ł
	{	Dibenzofuran		1	840	IU		1
•	121-14-2	2.4-Dinitrotoluen	<b>.</b>	1	840	ΙU		ł
	; 84-66-2	Diethylphthalate		1	- 840	10		İ
	/005-/2-3	4-Chloraphenvl-ah	anvlether	Į.	840	l U		
+	l 84-73-7	Fluorene.		!	840	١U٠		į
1	100-01-0			1	4100	IU		•
j	534-52-1	4.6-Dinitro-2-Met	rvlohenol	1	4100	10		ļ
į	86-30-6	N-Nitrosodiohenvl	amine (1)	1	840	ΙÜ	(	
į	101-55-3	4-Bromophenvl-ohe	avlether	!	840	Ü		!
1	118-74-1	Hexachlorchenzene		!	840	١Ū		· [
!	H/-H6-5	Pentachloropheool		į	230000	ΙĒ		!
1	85-01-8	Phenanthrene		1	840	10	1	, !
1	120-12-/	""""	•	!	840	iŭ	1	}
	84-/4-Z	Di-n-Butvlohthala:	- 🖨	1	840	ίÜ		
1	206-44-0	Fluoranthene	***************************************	- <u>i</u>	840	เป็	. !	
i	3 29-00-0	Fyrene		<b>.</b>	840	ΙÜ	i	
i	85-68-7	Butvlbenzvlohthal	ate	1	840	ίŪ		
1	91-94-1	3.3′-Dichlorohenzi	dine		1700	iū	Ì	
1		Benzo(a)Anthraceno	⊇	1	840	ΙÜ	Ì	
;	218-01-9	Chrysene			840	i U	•	
ł	11/-81-/	bis(2-tthy)hexv])[	ohthalate		840	ŧŪ	i	!
1	117-84-0	Di-n-Octyl Phthala	ate	1	840	ŧŪ		
1	205-99-2	Benzo(b)Fluoranthe	ອກ⊛	!	840	l U	1	
1	207-08-9	Benzo(k)Fluoranthe	ene	1	840	lÜ	. !	•
ŧ	50-32-8	Benzo(a)Pyrene		]	840	10	;	
ļ	193-39-5	Indeno(1,2,3-cd)Py	rene		840	łU		
ł	53-70-3	Dibenz(a,h)Anthrac	ene	-	840	10	,	
8888 I	191-24-2	Benzo(g,h,i)Feryle	?ne	-	840	lIJ	\	
8888		2,11,211 =1 ,42		<u>-</u> -	G (	!	•	
- L.							•	

(1) - Cannot be separated from Diphenylamine

BNFRWPS7

b\_Name: WEYERHAEUSER

Contract:

de: WEYER Case No.: 00909 SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID: 38174

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

Lab File ID:

2BN1023K

vel: (low/med) LOW

Date Received:

10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 10/24/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

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

**!** 

mber TICs found: 20

CAS NUMBER	COMPOUND NAME	! } !	RT	I EST. CONC.	Q  =====	 !
**************************************	!.ALPHAPINENE (ACN)	; !	<b>6.</b> 18	4100	ΙJΧ	!
1.80-54-8	INKNOMN	! !	27.B1		IJX	!
2. 3.	LONKNOWN	!	29.74	20000	IJX	!
	UNKNOWN	•	30.27		IJΧ	Ì
	LONKNOWN	!	31.36	6600	IJX	1
<u>z</u> i	UNKNOWN .	!	31.56	-	ijХ	
А 7.	LUNKNOWN	!	32.14	4400	IJX	1
	LUNKNOWN	·	32.19	•	1 <b>J</b> X	<b>!</b>
	LUNKNOWN	ł	32.41	20000	JX	ļ
, <del>,</del>	LUNKNOWN	1	33.16		IJX ·	ŧ
11.	LUNKNOWN	!	33.26	4200	IJX	i i
<u> </u>	LINKNOWN	1	33.39	14000	lJX	ļ
13.	LUNKNOWN	1	33.56	9600	IJX	ŀ
	LUNKNOWN	1	33.96	12000	IJX∖	1
13.	IUNKNOWN	1	34.22	10000	IJX	ł
16.	LINKNOWN	!	34.39	6000	IJX	ł
17.	LUNKNOWN	į	35.16	13000	IJX	ţ
18.	LUNKNOWN	1	35.36	7900	XU	ļ
19.	TUNKNOWN	1	35.46	12000	XLI	ł
20.	LUNKNOWN	ŀ	36.22	8200	IJX	ļ
wax + =	1	{		1	}	ŀ

Ab\_Mame: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

atrix: (soil/water) SOIL .

Lab Sample ID:

38174DL

xmple wt/vol:

23.5 (g/mL) G

Lab File ID:

BN1106W

≥vel: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec.

d⊜c.

Date Extracted: 10/19/89

(traction: (SepF/Cont/Sonc)

Date Analyzed: 11/07/89

°C Cleanup: (Y/N) Y

рHз

Dilution Factor: 2.5

CONCENTRATION UNITS: (ua/L or ua/Ka) He/ke

						لبا	ココルニ	NIKE	HITCH I	DNY 1.2				
		CAS	NO.		COMPOUND	()	.g/L	a۲	ug/Kg	) UG/K	3		C)	
	ł								1					
	ļ	108-	-95-2		Phenol				; 1	<i>j</i> 1 <i>i</i>	200	i IU		i
	ł	111-	-44-4	<del></del>	bie/2-Cblord	ethylle	. h		,					1
	i	- ゲンーと	⊃/ <del>-8</del> -		Z-Chlaranhea	ഹി			1		200	10		i
	Ş	~ 1 I	- / 1			banaaa					200	١IJ		i .
	ł	T 27.53.	-40-/	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		13 CHES TO THE TOTAL OF THE			1		200	10		i
		100-	-51-6		Benzyl Alcoh	ocuzene <u>.</u> O	************		†		005	111		
	M	-r	11. 1			h					200	10		i
	4	95-4	18-7		2-Methylobes				· '		200	IU		i .
	1	108-	-60-1		2-Methylphen	december.	115	 . ha	· i		200	10		i
	:	106-	-44-5		4-Methylphen	wı raobi oby	115	.ner			200	Ш		i
			· D-+ /		~~~!\!~~!\!] # }~ /~ (~ /~ ~~ !\!				1		000	1.0		•
	1	6/-/	'		Heyachi ozosti	hana					200	1 U		
	ŧ	98-9	 25-3	·	Nitrobenzene	<u>-</u>			i		00	lU		1
	i	78-5	i9-1	<del></del>	Isophorone			· ••• ••• •••			0.09	111		1
	i										00	! !!		l
	i	105-	67-9		-2,4-Dimethyl	4			i		00	IU		1
	1	65-8			-Benzoic Acid	hueuor			!		00	ļЦ		1
	Ì	111-	91-1		-bis(2-Chloro				<u>i</u>	200	_	111		1
	i	120-	·83-2		-2,4-Dichloro	ernoxy)n	色工作品	ne	i		00	: U		ł
	i	120-	82-1		-1,2,4-Trichlo	h::6uor ''''			!		00	111		1
	ì	91-7	0-3		-Naphthalene	orobenze	ne		!	42		۱U		1
	i	104-	47-9	" <del></del>	-4-Chloroanili		····		i	42		IU		Į.
	i	87	// ∪ ∺-ऱ		-Hexachlorobut	1∩e	,		!	42		Ш		!
	ì	59-5	0-7		-4-Chloro-3-Me	cadiene <u>.</u>			!	42		111		1
	!	91-5	~ / フームーー		-2-Methylnaph	aruài buei	JOT		!	42		H		}
	ì	77-4	, c 7-4		-Hexachlorocy	cnarene			!	42		U		•
		660.	/ ¬ /—2———			cropenta	31 E:N(	₽		42		НU		ł
	į		\ 5		-2,4,6-Trichle	oropheno.	<u>.</u>		!	42		l (J		1
	!	91-5	9-7		-2,4,5-Trichle	propheno.	L		!	2009		ļЦ		!
	!	99-74	/_/		-2-Chloronapht	chalene				42		10		ŧ
	; }	131-	т≕→==== 11_₹		-2-Nitroanilir	,e	····· •··· •·· •·· •·		!	2000		IJ		{
1655v	!	709-9 709-9			-Dimethyl Phth	nalate	·		!	420		ΗU		<b>!</b>
	ī	400-	70-6	·	一分色色のありりまりひしゃっ	1 F3 `		•	1	420		l U	3	<b>,</b>
V., 1	!	<b>u∪o</b>	~~~~~~		-2,6-Dinitrate	orneus""			1	420	00	' <del>1</del> []		1
	٠									**** ***** ***- ***** ***** ***		_ !		اري

Wame: WEYERHAEUSER

Contract:

e: WEYER Case No.: 00909 SAS No.:

SDG No.: 38163

crix: (soil/water) SOIL

Lab Sample ID: 38174DL

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

Lab File ID: BN1106W

/el: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec. dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 11/07/89

Cleanup: (Y/N) Y pH:

Dilution Factor: 2.5

CONCENTRATION UNITS:

99-09-2		CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	O		
83-32-9	ļ.				ţ		· }	;	
83-32-9	!	0909	-3-Nitroaniline		1	20000	Į U	ì	
51-28-5	i !					4200	ΙU	Į.	
100-02-7	į					20000	łU	;	
132-64-9	۱ !					20000	ŧU.	;	
121-14-22,4-Dinitrotoluene	j i					4200	ł U	ł	
84-66-2	1					4200	IU.	!	
7005-72-3	1					4200	! U	ł	
100-01-6	•	7005-72-3	-4-Chlorophenvl-phe	enylether		4200	ΙU	ļ	
100-01-64-Nitroaniline		PA-73-7	Fluorene	,		4200	l U	ł	
534-52-14,6-Dinitro-2-Methylphenol   20000   U   86-30-6N-Nitrosodiphenylamine (1)   4200   U   101-55-3	!	100-01-4	-4-Nitroapiline			20000	មេ	1	
86-30-6N-Nitrosodiphenylamine (1)	1					20000	:U	ł	
101-55-3	1					4200	l U	!	
118-74-1	i !					4200	l U	ł	
87-86-5	1					4200	łU	1	_
85-01-8	ì					60000	ł D	ţ	
120-12-7Anthracene	1	<b></b> · · ·	•			4200	١U	1	
84-74-2	ì					4200	ļU	{	
206-44-0	;					4200	۱U	1	
129-00-0	1					4200	ΙU	1	
85-68-7Butylbenzylphthalate	į					4200	ΙU	!	
91-94-13,3'-Dichlorobenzidine	1	95_49-7	-Butvibenzvinhthal	ate	1	4200	١U	:	
56-55-3Benzo(a)Anthracene	į					8400	! U	1	
218-01-9Chrysene	į					4200	IU	1	
117-81-7bis(2-Ethylhexyl)phthalate	1					4200	łШ	1	
117-84-0Di-n-Octyl Phthalate	1	117-81-7	-bis(2-Fthylbexyl)	ohthalate	· (	10000	1BD	ł	
205-99-2Benzo(b)Fluoranthene	1	117-84-0	Di-n-Octvl Phthali	at e		4200	l U	ł	
207-08-9Benzo(k)Fluoranthene	i					4200	١U	1	
50-32-8Benzo(a)Pyrene	•					4200	1U	!	
193-39-5Indeno(1,2,3-cd)Pyrene  4200   U   53-70-3Dibenz(a,h)Anthracene  4200   U	1					4200	IJ	;	
53-70-3	1					4200	IU	1	
	1					4200	١U	1	
1 1/1 27 2 2001160 (9111741) - / - / /	1					4200	ł U	` <u> </u>	
	1	1 / 1 / 4. 7 /.		-·					

- Cannot be separated from Diphenylamine

5790

功可ame: WEYERHAEUSER

Contract:

th Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

ttrix: (soil/water) SOIL

Lab Sample ID: 38174DL

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

Lab File ID:

BN1106W

evel: (low/med) LOW

Date Received:

10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction: (SepF/Cont/Sonc)

Date Analyzed: 11/07/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 2.5

mber TICs found:

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

CAS NUMBER COMPOUND NAME

EST. CONC. I

0

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKWI

Name: WEYERHAEUSER Contract:

de: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

trix: (soil/water) SOIL Lab Sample ID: SBLKW1

mple wt/vol: 1.0 (g/mL) G Lab File ID: 2BN1019A

vel: (low/med) MED Date Received: 10/17/89

Moisture: not dec. dec. Date Extracted: 10/18/89

traction: (SepF/Cont/Sonc) Date Analyzed: 10/19/89

C Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:

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

108-95-2----Phenol\_\_\_\_ 1U 20000 111-44-4----bis(2-Chloroethyl)Ether\_\_\_\_ 20000 l U | 95-57-8----2-Chlorophenol\_\_\_\_| 20000 111 | 541-73-1----1,3-Dichlorobenzene\_\_\_\_| l U 20000 1 106-46-7-----1,4-Dichlarobenzene\_\_\_\_ HU 20000 '! 100-51-6-----Benzyl Alcohol\_\_\_\_\_ 20000 I U ! 95-50-1-----1,2-Dichlorobenzene\_\_\_\_! 20000 IU 20000 111 108-60-1-----bis(2-Chloroisopropyl)Ether\_\_l 20000 IU 106-44-5-----4-Methylphenol\_\_\_\_\_ 20000 IU 1 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_\_ 20000 IU | 67-72-1----Hexachloroethane 20000 IU 98-95-3----Nitrobenzene\_\_\_\_! 20000 lU 20000 ł U 10 20000 1 105-67-9----2,4-Dimethylphenol 20000 l U 65-85-0----Benzoic Acid\_\_\_ 96000 IU. 111-91-1-----bis(2-Chloroethoxy)Methane\_\_\_; 20000 ! U | 120-83-2----2,4-Dichlorophenol\_\_\_\_\_ 20000 I U ! 120-82-1-----1,2,4-Trichlorobenzene\_\_\_\_\_\_ 20000 1U | 91-20-3----Naphthalene\_\_\_\_| 20000 1 U 20000 IU. | 87-68-3-----Hexachlorobutadiene\_\_\_\_| 1U 20000 1 59-50-7-----4-Chloro-3-Methylphenol\_\_\_\_! 20000 1 [] 20000 IU 77-47-4----Hexachlorocyclopentadiene\_\_\_! 20000 l U 20000 1 U 95-95-4----2,4,5-Trichlorophenol\_\_\_\_\_ 96000 ł U 91-58-7----2-Chloronaphthalene\_\_\_\_ 20000 ١U. 1 88-74-4----2-Nitroaniline\_\_\_\_ IU 96000 20000 : U 208-96-8-----Acenaphthylene\_\_\_\_\_ 10 20000 606-20-2----2,6-Dinitrotaluene\_\_\_\_\_ 20000 - 1 U

> # ( **0** ¥ 1/87 Rev.

SBLKW1

Name: WEYERHAEUSER Contract:

b Code: WEYER Case No.: 00909 SAS No.: SDG No.: 38163

atrix: (soil/water) SOIL Lab Sample ID: SBLKW1

imple wt/vol: 1.0 (g/mL) G Lab File ID: 28N1019A

avel: (low/med) MED Date Received: 10/17/89

Moisture: not dec. dec. Date Extracted: 10/18/89

traction: (SepF/Cont/Sonc) Date Analyzed: 10/19/89

°C Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:

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

		9, 1,9,	3071,0		C2;	
1		ı		1	!	
1	99-09-23-Nitroaniline	ł	96000	10	į	
ł,	. GOTOZTYTTTTTTTHACEBADDTHADA	į	20000		į	
ł	- 320-3	1	96000	iū		
ł	- 100~02~/~~~~~~~4~Nitronboool	1	96000	ΙÜ	:	
ŧ	1 心とこのサーブニー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・		20000	10	•	
1	- 4 4 4 7 4 7 4 7 7 7 7 7 7 7 7 7 7 7 7		20000	iu	i	
) !	94**99********************************	1	20000	i U	1	
1	-/VV3=/4=3======4=Chlaranbanylashanylashaa	4 .	20000	ΙÜ	1	
ł	######################################	F	20000	iŭ		
ł	***	į	96000	10		
;		•	96000	10	i	
1	- BO-SU-6N-Nitrosodiphenylamine (1)	t	20000	ΙŪ	i	
ł	-1V1-33-3		20000	ΙÜ	i	
1	- \$ 10-74-1	1	20000	iu	į	
1	-0/70073~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		96000	iū	i	
1		4	20000	ΙÜ	i	
- 1		3	20000	ΙÜ	i	
1	- UT-/T-Z		20000	ŧŪ	i	
1	ZVOT44-V	1	20000	IU	1	
-	127TVVTVT	t	20000	IU		
i	85-68-7Butvlbenzvlnhthalate		20000	ĺÜ	1	
ı	71=74=1========:3.3:-Dichlorebenzidine	1	40000	ÎŪ	į	
i	- POTODTOTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	7	20000	ŧÜ	i	
i	418-V1-YUhrvsene	ŗ	20000	łÜ	1	
•		1	20000	IU	ŀ	
i	11/-84-QDi-n-Octyl Ebthalata	1	20000	ΙÜ	ì	
1	ASSTYTEATTHENEOLD) Fluoranthana	1	20000	l LJ	1	
ŧ	20/-98-7	1	20000	١U	į	
à	OUTOZTOTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	t	20000	IU	1	
4	- t70~07~0~~~~~Indemo(1,2.3~cd)Pyrene		20000	ΙŪ	1	
ı	UST/UTSTTTTTTD1Denz(a.h)Anthracene	!	20000	i U	1	
ŀ	191-24-2Benzo(g,h,i)Perylene	1	20000	łU	🔻 🗎 સંજ	ΩΛ
			4		· · ~ /	· 1

<sup>(1) -</sup> Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS Contract: ù-Wame: WEYERHAEUSER de: WEYER Case No.: 00909 SAS No.: SDG No.: 38163 SBLKW1 Lab Sample ID: trix: (soil/water) SOIL mple wt/vol: 1.0 (g/mL) 6 Lab File ID: 2BN1019A Date Received: 10/17/89 vel: (low/med) MED Moisture: not dec. dec. Date Extracted: 10/18/89 traction: (SepF/Cont/Sonc) Date Analyzed: 10/19/89 Dilution Factor: 1.0 C Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

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

ì COMPOUND NAME | RT | EST. CONC. | Q | CAS NUMBER 

mber TICs found: 0

× 5790

SBLKS1

JAME: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909

SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

Lab Sample ID: SBLKS1

mple wt/vol:

21.3 (g/mL) G

Lab File ID:

2BN1022A

vel:

(low/med) LOW

· Date Received:

10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

traction:

(SepF/Cont/Sonc)

Date Analyzed:

CONCENTRATION UNITS: .

10/22/89

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

			いついてだけ」と	EST MITTERS	MILE		
	CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	(	Q
1				1	-	ş	1
ŧ	108-95-2			1	930	1 U	1
Ş	111-44-4	bis(2-Chlarasth	V11Fther		730 730	: U	1 !
ł	95-57-8	2-Chlorophenol		į.	930	10	1
i	- 341-/3-1	l.3-Dichlorohen	7 @D @	į.	730 730	; U	
į	106-46-7	1.4-Dichloroher	17 e e e	!	930	10	1
1	100-51-6	Benzyl Alcohol_			930	10	!
١.	- YD-50-1	1.2-Dichloroben	TODA	1	930	10	!
J	95-48-7	2-Methylphenol			930	10	!
3	1 ( ) ( ) ( ) ( )	······································	orconnyllichbo	I	930	10	•
į	106-44-5	4-Methylohenol			930	10	!
i	- OZI-O4/		Propylamica	1	930	iu	!
1	67-72-1	Hexachloroetban	e	1	930	16	, !
i	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Nitrobenzene		<u> </u>	930	10	i
i	- /8ーごゲー1ーーーー	leapharace		1	930	١U	
i	- 66-/3-3			į.	930	lÜ	
ì	103-6/-7	2,4-Dimethylahe	nol	<u>!</u>	930	ίŪ	ì
ļ	63-65-0	Benzoic Acid		Ī	4500	10	i
i	111-71-1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	nyv)Methane	ļ	930	ΙÜ	i
i	120-83-2	2.4-Dichlaraphe	nal	!	930	ĬŪ	į
ì	120-62-1	1.//.4(richloco/	henzene	!	930	iū	i
į	91-20-3	Nachthalene		į	930	ΙŪ	ì
		4-10 oraspilips		į	930	10	i
i	- to / -6td-3	Heyachlorobutad	iana	į.	930	ΙŪ	,
i	- 37-50-/	4-Chloro-~~Meth	vlohenol	1	930	ΙŪ	Ì
î	71-5/-6	2-Methylmanhtha	lane	į	930	IJ	i
i	//-4/	Hexachlorocyclor	nent≥diene	1	930	ΙÜ	1
i	88-06-2	2.4.6-Irichlara	nhenol	į.	930	1U	1
i	プンニアン・チーー・ー・	2.4.5-Taichlara	abenol	!	4500	ίŪ	Ì
i	- 71-58-/	Z-Chloropanbthai	lene	!	930	lÜ	1
i	88-/4-4	2-Nitroaniline		ļ.	4500	ĪŪ	Ì
i	191-11-9	Dimethyl Phthal	ate		930	iu	i
.!	208-94-9			· —- · · ·			

208-96-8----Acenaphthylene\_\_\_\_

606-20-2----2,6-Dinitrotoluene\_\_\_\_

l U

930

Contract: | SBLKS1 | \_\_\_\_\_\_

/> Name: WEYERHAEUSER

Case No.: 00909

SAS No.:

SDG No.: 38163

trix: (soil/water) SOIL

21.3 (q/mL) G

Lab Sample ID: SBLKS1

Lab File ID:

2BN1022A

yel: (low/med) LOW

Date Received: 10/17/89

Moisture: not dec.

de: WEYER

dec.

Date Extracted: 10/19/89

traction: (S

umple wt/vol:

(SepF/Cont/Sonc) -

Date Analyzed: 10/22/89

°C Cleanup:

Y (N\Y)

pH:

Dilution Factor: 0.50

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

COMPOUND CAS NO. 4500 lU 99-09-2----3-Nitroaniline\_\_\_\_\_ 930 1U | 83-32-9------Acenaphthene\_\_\_\_\_| 4500 l U | 51-28-5-----2,4-Dinitrophenol\_\_\_\_! 4500 :U 930 IU | 132-64-9-----Dibenzofuran\_\_\_\_| 930 I U | 121-14-2----2,4-Dinitrotoluene\_\_\_\_| 1 U 930 84-66-2----Diethylphthalate\_\_\_\_ ΙU ! 7005-72-3-----4-Chlorophenyl-phenylether\_\_\_! 930 10 930 86-73-7-----Fluorene\_\_\_\_! ! U 100-01-6-----4-Nitroaniline\_\_\_\_\_ 4500 4500 I U | 534-52-1-----4,6-Dinitro-2-Methylphenol\_\_\_! 930 ! U 1 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_! !U 930 | 101-55-3-----4-Bromophenyl-phenylether\_\_\_\_\_ 930 IU | 118-74-1----Hexachlorobenzene\_\_\_\_ 4500 ! U | 87-86-5----Pentachlorophenol\_\_\_\_\_ 930 HU | 85-01-8-----Phenanthrene\_\_\_\_| 930 ł U 120-12-7-----Anthracene\_\_\_\_\_ ! U 930 | B4-74-2-----Di-n-Butylphthalate\_\_\_\_\_ : 206-44-0-----Fluoranthene\_\_\_\_! 930 : U 930 10 | 129-00-0-----Pyrene\_\_\_\_\_! 930 10 | 85-68-7----Butylbenzylphthalate\_\_\_\_\_ 1900 ١U | 91-94-1-----3.3'-Dichlorobenzidine\_\_\_\_! 1 U 930. | 56-55-3----Benzo(a) Anthracene\_\_\_\_\_| 930. l U 218-01-9-----Chrysene\_\_\_\_ i J | 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_| 150 111 930 930 IU 205-99-2----Benzo(b)Fluoranthene\_\_\_\_ 930 1 U 1 207-08-9-----Benzo(k)Fluoranthene\_\_\_\_\_\_ 930 lU 1 50-32-8-----Benzo(a)Pyrene\_\_\_\_\_ 930 I LJ | 193-39-5-----Indeno(1,2,3-cd)Fyrene\_\_\_\_| 930 l U | 53-70-3----Dibenz(a,h)Anthracene\_\_\_\_\_{ 191-24-2-----Benzo(g,h,i)Ferylene\_\_\_\_\_ 930 :U

**H790** 

<sup>1) -</sup> Cannot be separated from Diphenylamine

EPA SAMPLE NO.

ab Name: WEYERHAEUSER

Contracti

SBLKS1

Code: WEYER

Case No.: 00707

SAS No.:

SDG No.: 38163

atrix: (soil/water) SOIL

Lab Sample ID:

SBLKS1

21.3 (g/mL) G

Lab File ID:

2BN1022A

≥vel:

imple wt/vol:

WD.1 (bem/wol)

Date Received:

10/17/89

Moisture: not dec.

dec.

Date Extracted: 10/19/89

:traction: (SepF/Cont/Sonc)

Date Analyzed:

10/22/89

'C Cleanup: (Y/N) Y

рН≝

Dilution Factor: 0.50

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

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CAS	NUMBER	COMPOUND	NAME	E RT	EST.	CONC.	1 0	1
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3.		LONKNOWN		32.22	1	1400	XLI	į
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## SOIL SEMIVOLATILE SURROGATE RECOVERY

Name: WEYERHAEUSER

Contract:

Code: WEYER

Case No.: 00909 SAS No.:

SDG No.: 38163

llow/med> LOW

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

<sup>#</sup> Column to be used to flag recovery values

<sup>\*</sup> Values outside of contract required QC limits

D Surrogates diluted out

#### 2D SOIL SEMIVOLATILE SURROGATE RECOVERY

ab Name: WEYERHAEUSER

Contract:

ode: WEYER

Case No.: 00909 SAS No.:

SDG No.: 38143

evel: (low/med) MED

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				C	C LIMITS
S1	(NBZ)	7.2.	Nitrobenzene-d5	(	23-120)
			2-Fluorobiphenyl		30-115)
			Terphenyl		18-137)
<b>9</b> 4	(PHL)	==	Fhenol-d5		24-113)
S5	(2FP)	#22	2-Fluorophenol	(	25-121)
96	(TBP)	==	2,4,6-Tribromophenol		19-122)

<sup>#</sup> Column to be used to flag recovery values

FORM II SV-2

ige 1 of 1

5790

<sup>\*</sup> 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

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

dew/d51/0607-1

Attachments

cc: Barry Firth - WTC 2H4

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

Lab Bank: WEYERFAEUDER

Contract: MCCOURT

Tab Code: WEYER Case No.: 02761 SAS No.:

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SDG No.: 50487

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				QC	LIMITS
81	(NBZ)	an.	Nitrobenzene-d5	(	23-120)
92	(FBP)	<b>;</b> ;;;	2-Fluorobiphenyl	(	30-115)
83	(TPH)	rat	Terphenyl	(	18-137)
54	(PHL)	rm:	Phenol-d5	(	24-113)
SB	(2FP)	2:3	2-Fluorophenol	(	25-121)
86	(TBP)	<b>K.</b> #	2,4,6-Tribromophenol	(	19-122)

<sup>#</sup> Column to be used to flag recovery values

<sup>\*</sup> Values outside of contract required QC limits

D Surrogates diluted out

Lab Name: WEYERHAEUSER Contract: MCCGURT

( ) 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) 5 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

SPC Cleanup: (Y/N) Y pH: Dilution Factor: -0.50 1.0 JM5

7/3/90 CONCENTRATION UNITS:

		CONCERTION			
CAS NO.	COMPOLIND	(ug/L or ug/K	g) UG/KG	G	)
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AD-3\million	2-Chlorophenol	Some with the first time with with the form that the first time and the first with the	1500	10	i
With June & Same James and and and and and	1,3-Dichlorobe		1500	111	i
100-40-/	1,4-Dichlorabe	aux ene	1500	IU	
700-21 mg	Benzyl Alcohol	When bell many over more four most made well more (that made gald arres until	1500	l U	i
And the second of the second o	1,2-Dichlorabe	aux ene	1500	, IU	i i
95~48-7	2-Methylphenol bis(2-Chlorois		1500	ł U	1
108-60-1	bis(2-Chlorois	sopropyl)Ether[	1500	U	1
106-44-5	4-Methylphenol		1500	HU	1
621-64-7	N-Nitrasa-Di-r	Propylamine	1500	Ш	i
67-72-1	Hexachloroetha	(1) C	1500	ПШ	1
98-95-3	Nitrobenzene		1500	IU	1
78-59-1	Iscohorone	!	1500	H	!
88-75-5	2-Nitrophenol		1500	IU	!
105-67-9	2,4-Dimethylph	enci (	1500	<b>! L</b> J	1
-45-85-0	Benzoic Acid	1	7400	IU	1
111-91-1	bis(2Chloroet	hoxv)Methane	1500	l U	i
120-83-2	2.4-Dichlereph	enal 1	1500	H	ł
120-82-1	1.2.4-Trichlor	obenzene	1500	IU	1
91-20-3	Nachthalene		1500	113	1
106-47-8	4-Chloroanilin	5	1500	HU	Ş
87-50-3	Hexachlorobute	diene :	1500	IU	1
59-50-7	4-Chloro-3-Met	hvlphendl	1500	ΙU	1
91-57-6	2-Nethvlnachth	alene	1500	(Ú)	1
77-47-4	Hexachlorocycl	opentadiene	1500	H	1
99-06-2	2,4,6-Trichlor	lonerique	1500	IU	-
95-95-4	2,4,5-Trichlor	carrerai	7400	l U	į
91-59-7	2-Chlerenaphth	alene	1500	10	ļ
£9-74-4	2-Nitroaniline	tin dem dem and the training of the second o	7400	111	į
111-11-5	Diambhyl Chtha	1 :24:44	1500	IL	}
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MEY-AB-SAP-1

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		Case No.: 02761	SAS No.:	SDG No.: 50	487
				nle ID: 50467	
ir i	x: (soil/water)	) SUIL	Lat Sam	plante action sometimes,	
Iqma	e wt/vol:	30.1 (g/mL) S	Lab File	e ID: 29NO70	Arra para arra para arra b
lsve.	a (low/med)	LOW	Date Re	ceived: 05/25/	90
Moi	sture: not dec.	. 57 dec.	Date Ex	tracted: 06/04/	90
atre	ection: (SepF	/Cont/Sonc) 90	MC Date An	alyzed: 07/02/	
PC C	leanup: (Y/N	) Y pHr	Dilutio	n Factor: <del>6.50</del>	1.0 JMS 7/3/9
	CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/K		Q
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	t		•	7000 111	; !
		3-Nitroaniline		7400 IU	i 1
		Acenaphthene		1500 IU	i i
	1 51-28-5	2,4-Dinitrophe	mal	7400 IU	i t
		4-Nitrophenol_		7400 IU	i I
		Dibenzofuran		1500 IU	i
		2,4-Dimitrotol		1500 IU	i ,
	1 84-66-2	Diethylphthala	:te	1500 IU	i L
	1 7005-72-3	4-Chlorophenyl	-phenyletheri	1500 IU	<b>i</b>
		Fluorene		1500 IU	i
		4-Nitroaniline		7400 IU	1
		4,6-Dinitro-2-		7400 18	ŧ
		N-Nitrocodiphe		1500 10	i 1
		4-Bromophenyl-		1500 IU	i t
		Hexachlorobenz		1500 IU	1
		Pentachlorophs		3900 HJ	<b>!</b> ,
		Phenanthrene		1500	
	1 120-12-7	Anthracene		1500 IU	<u> </u>
	E4-74-2	Di-m-Eutylphth	(alate	1500 19	E. •
	: 206-44-0	Fluoranthene		1500 IU	1
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		Butylbenzylpht	chalate	1500 IU	
		3,3'-Dichlorob		3100 10	
		Benzo(a)Anthra	scene	1500 HU	į
	1 219-01-9	Chrysene	the world group, sense train grave, heap many many many more write more many many black would	1500 IU	l
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	1 117-84-0	Di-n-Octyl Fht	chalate	1500 IU	ţ
	1 205-99-2	Benzo(b)Fluora	anthene	1500 (U	i
	1 207-08-9	Benzo(k)Fluora	anthemel	1500 IU	!
	\$ 50.32-8	Benzo(a)Pyrone	27	1500 H	1
	1 (03-39-5	Indoud(1,2,3-c	(d) Pyrene	1500 19	
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EFA SAMPLE MOD

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WEY-AB-SEP-1 1

Lab Name: WEYERHAEUSER Contract: MCCOURT |

b Code: WEYER Case No.: 02761 SAS No.: SDB No.: 50487

Matrix: (Soil/water) SOIL Lab Sample ID: 50487

Sample wt/vol: 30.1 (g/mL) 8 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 1M5 7/3/90

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

CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | G |

EPA SAMPLE NO.

Contract: MCCOURT Lab Mane: WEYERHAEUSER SDS No.: 50487 Case No.: 02761 SAS No.: . Code: WEYER Lab Sample ID: 50498 ix: (soil/water) SOIL Lab File ID: 9N0520C Sample wt/vol: 15.1 (c/mL) 8 05/25/90 Date Received: Level: (low/med) LOW Date Extracted: 06/04/90 % Moisture: not dec. 11 DEC. Date Analyzed: 06/20/90 SONC (SepF/Cont/Sonc) Extractions Dilution Factor: 2.5.5.0 JMS GPC Cleanup: (Y/N) YэHa 713190 CONCENTRATION UNITS: 0 (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. 108-95-2----Phenol\_\_\_\_ HU 7400 7400 1 111-44-4-----bis(2-Chloroethy1)Ether\_\_\_\_ H 7400 | 95-57-9----2-Chlorophenol 7400 111 | 541-73-1----1,3-Dichlorobenzene 7400 IU | 105-46-7----1,4-Dichlorobenzene\_\_\_\_\_| 7400 , [] 100-51-6----Benzyl Alcohol 95-50-1-----1,2-Dichlorobenzene\_\_\_\_! 7400 i U 7400 113 1 95-48-7----2-Methylphenol\_\_\_\_\_ :U | 108-60-1-----bis(2-Chloroisopropyl)Ether\_\_! 7400 7400 IU1 106-44-5-----4-Methylphenol\_\_\_\_ 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_ 7400 IU 7400 1 67-72-1----Hexachloroethane 7400 111 99-95-3----Nitrobenzene\_\_\_\_\_ 7400 113 7400 : [] 7400 36000 1 L 65-85-0----Benzaic Acid\_\_\_\_\_ 7400  $\mathbf{H}$ 111-91-1----bis(2-Chloroethoxy)Methane\_\_\_( 7400 10 120-83-2----2,4-Dichlorophenol\_\_\_\_\_ 7400 113 120-82-1-----1,2,4-Trichlorobenzene\_\_\_\_\_( 7400 111 91-20-3----Waphthalone\_\_\_\_\_ 7400 111 87-68-3-----Hexachlorobutadiene\_\_\_\_ 7400 ! [] 7400 : U 59-50-7----4-Chloro-3-Methylphenol\_\_\_\_\_; 7400 111 91-57-6----2-Methylnaphthalene\_\_\_\_l 7400 ! U 7400 113 23-06-2----2,4,6-Trichlorophenol\_\_\_\_! 790 1.3 7400 113 9:-58-7----2-Chloromaphthalene 35000 111 68-74 man - man - 2 - Mitroanilies\_\_\_\_\_  $\mathbb{Z} \in \mathbb{C}(\cdot)$ ! ] ] 131-11-3---- Dimethyl Phth:late\_\_\_\_\_

7.000

2400

1.5

1

TO BE TO BE THE WAR THE WAR THE STREET STREET STREET STREET STREET

604-90-2- 2,6-Dimitrataluece\_\_\_\_\_\_!

SDG No.: 50487

This test time they make mits abide many other and a did give man west who

Lab Name: WEYERHAEUSER Contract: MCCOURT

WEY-AB-SAP-2

Macrik: (soil/water) SOIL

the state of the s

Lab Sample ID: 50489,

Sample wt/vol:

( ) Code: WEYER

15.1 (g/mL) B

Case No.: 02761

Lab File 1D: EN0620C

Level: (low/med) LOW

Date Received: 05/25/90

% Meisture: not dec.

11 dec.

Date Extracted: 06/04/90

Extraction:

(SepF/Cont/Sanc)

SOMO

SAS No.:

Date Analyzed: 06/20/90

GPC Cleanup:

(Y/N) Y

pH:

Dilution Factor: 2-5-5.0

213190 213190

CONCENTRATION UNITS: O. CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG | 99-09-2----3-Nitrosniline 36000 10 | 83-32-9----Acenaphthene\_\_\_\_\_! 7400 IU | 51-28-5----2,4-Dinitrophenol\_\_\_\_\_ 36000 111 1 100-02-7-----4-Nitrophenol\_\_\_\_1 36000 :11 | 132-64-9-----Dibenzofuran\_\_\_\_\_| 7400 14 7400 | 121-14-2----2,4-Dinitrotoluene\_\_\_\_: 1 | 84-66-2----Diethylphthalate\_\_\_\_| 7400 113 11 1 7005-72-3-----4-Chlorophenyl-phenylether\_\_\_| 7400 | 86-73-7----Fluorene\_\_\_\_| 7400 111 36000 1 [] 36000 lU: | 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_\_ 1 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_\_ 111 7400 | 101-55-3-----4-Bromophenyl-phenylether\_\_\_\_ 7400 10 | 118-74-1----Hexachlorobenzeme\_\_\_\_; 115 7400 | 87-84-5----Pentachlorophenol\_\_\_\_ 38000 1 . 1 85-01-8------Phenanthrene\_\_\_\_\_ .40 1300 7400 111 1 84-74-2------Di-n-Butylphthalate\_\_\_\_\_ 7400 111 206-44-0----Fluorenthene\_\_\_\_ 1400  $\{J\}$  $\{-1/29\cdots(10)\cdot(10^{-10})\cdot(10^{-10$ 740 Į J 1 85-68-7----Butylbenzylphthalate\_\_\_\_\_ 7400 111 | 91-94-1-----3,3'-Dichlorobenzidine\_\_\_\_! 15000 | 56-55-3----Benzo(a)Anthracene\_\_\_\_\_| 7400 111 7400 115 | 117-91-7----bis(2-Ethylhexyl)phthalate\_\_\_| 7400 U 1 117-84-0-----Di-n-Octyl Phthelate\_\_\_\_\_ 7430 14 1 203-79-2 --- Benzo(b) Fluoranthene | 7400 IU 207-08-9----Benzo(k)Fileoranthene\_\_\_\_\_ 7400 7400 111 | 193-39-5-----Indom:11,2,3-cd)Pyrene\_\_\_\_| 11 7.400 7400 10 7400 1 1

(1) - Clarifed by Separated from Diphonylandino

SEMIVOLATILE ORGANICS ANALYSIS DATA CHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: WEYERHAGUSER

Contract: MCCGURT

(b Code: WEYER Case No.: 02761 SAS No.: SDG No.: 50487

M rix: (soil/water) SGIL

Sample wt/vol: 15.1 (g/mL) 6 Lab File ID: EN06/200

Level: (lcw/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 JHS

JMD 7/3/90

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

Number TICs found: 0

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

WEY-AB-SAP-3

Lob Name: WEYERHAEUSER Contract: MCCGURT |

( ) Code: WEYER Case No.: 02761 SAS No.: SDG No.: 50487

Matrix: (soil/water) SOIL Lab Sample ID: 50489

Sample wt/vol: 15.1 (g/cL) S Lab File ID: BNO620D

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

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

Extraction: (SepF/Cont/Sono) SONO Date Analyzed: 06/20/90

GPC Cleanup: (Y/N) Y pH: Dilution Factor: 2.5 5.0 JHS

CONCENTRATION UNITS: 7/3/40

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

	the contract of the contract o	in a comment		
	1		1	1
108-95-2	Fhanol	7600	\U	1
111-44-4-4	bis(2-Chloroethyl)Ether	7600	18	ŧ
75-57-6	2-Chlorophenol;	7600	ТU	1
541-73-1	1,3-Dichlorobenzene	7600	IU	1
105-46-7	1,4-Dichlorobenzene	7600	Ш	1
100-51-6	Henzyl Alcohol	7600	ΙU	!
75-50-1	t.2-Dichlorobenzene	7600	10	1
)5-48-7	2-Methylphenoll bis(2-Chloroisopropyl)Ether	7600	HU.	}
.08-60-1	bis(2-Chlordisopropyl)Ether	7600	Ш	1
06-44-5	4-Methylphenol!	7600	IU	i
:21-64-7	N-Nitroso-Di-n-Fropylamine	7600	10	!
7-72-1	Hexachloroethane	7600	łU	ł
76- <b>7</b> 53	Nitrobenzene !	7600	10	1
'8-59-1	Isophorone	7600	Ш	1
9-75-5	2-Nitrophenal	7600	10	1
QS-67-9	2.4-Dimethylphenol !	7600	.10	1
5-69-0	Beuzeic Acie	3700 <b>0</b>	IU	1
11-91-1	bis(2-Chloroethoxy)Methane	7600	11.	!
20-83-2	2,4-Dichlorophenol	7600	HU	i
20-82-1	1,2,4-Trichlorobenzene	7600	IU	!
1-20-3	Nachthalene /	7600	1U	:
06-47-9	4-Chlorosniline l	7600	183	1
7683	Hexachlorobutadiene	7600	Ш	!
9-50-7	4-Chloro-3-Methylphenol	7600	ıu	;
1-57-6	2-Methylnephthalone!	7600	10	į
7-47-4	Hexachlorocyclopentadiene	7600	1U	-
8-0 <u>0-2</u>	Z,4,6-Trichlorophenol	7600	11.	
5-95-4	2,4,5-Trichlorophenol	37000	IU	;
1-58-7	2 Chlorosophthelenc	7600	IU	;
8-74-4		37000	[.]	·· {
3/-11-3	Dimuthyl Phthalate	7400	: :[]	:
08-96-4	- Guenophiliya unto	2300	ΙÜ	!
04-20-2	(A-Discherololoses)	7600	ĺŪ	

WEY-AB-RADIO Lab Name: WEYERHAEUSER Contract: MCCCURT SDG No.: 50487 3 Code: WEYER SAS No.: Case No.: 02761 Lab Gample ID: 50489 in: (soil/water) SQIL Lab File ID: BNO620D  $(\epsilon_{i}/m\xi)$  6 Samuele wt/vol: 15.2 Date Received: 05/25/90 Level: (Low/med) LOW Date Extracted: 06/04/90 % Moisture: not dec. 14 dec. Date Analyzed: 06/20/90 SCHO (SepF/Cont/Socc) Extraction: JHS Dilution Factor: 3.5 5.0 GPC Cleanup: (Y/N) Y r:He 7/3/91 CONCENTRATION UNITS: G(ug/L or ug/Kg) UG/KG CAS NO. COMPOUND 37000 111 1 ST-SS-9-----Acersphthere\_\_\_\_\_\_ 7600 · 111 37000 IU | 51-29-5-----2,4-Dimitrophenol\_\_\_\_\_ 37000  $\mathbb{H}$ 1 132-64-9------Dibenzofuran\_\_\_\_\_| 7600 111 Zanto 113 84-66-2----Digthylphthalate\_\_\_\_\_ 7600 (U 7600 111 7600 HU 37000 113 534-52-1-----4,6-Dinitro-2-Methylphenol\_\_\_! 37000 111 1900 [ ] 1 86-30-6----N-Witrosodiphenylamine (1) 7600 11.5 101-55-3----4-Bromophenyl-phenylether\_\_\_\_ 111 7600 1 118-74-1-----Hexachlar obenzene 87-86-5----Pentachlorophenol\_\_\_\_\_I 120000 : 1800 10 7600 111 | 120-12-7-----Anthracene\_\_\_\_ 7600 H 1 89-74-9------Dien-Butylphthalate 7600 111 206-44-0----Fluoranthene\_\_\_\_\_ 7600 111 150 m () Com Come and a common first of the common common and a common c 3400 ! 3 1 85-68-7----Butylbanzylphthalato\_\_\_\_ 15000 133 7600 113 7500 LI 350000 : 1915 1 117-31-7------ bis(2-Ethv1)cny1)ptthalate\_\_\_! 7.600 317 94-0- -- -- Di-m Octy) Puthalate 202-90-2----- --- Fento (b) Fluorantheno ! 7600 Ш 207-09-9 -- -- -- Penze (k) Fluor enthere 7600 111 BA FOR G. ... BONZO (a) Pyr 830 7400 ; ; ; 7600 1:1 The Control of the Commence of the Control of the C group groups and on the DH branch and JEN Children and make 74(00) **)** / : : [\_. 7536 FREE PARTY COME CONTRACTOR AND STREET AND ADDRESS OF A STREET

of the most of a replacement from Northern transfer and as

SEMINOUSTILL ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NOT

Lab Name: WEYERHARUSER

Contract: MCCOURT

( ) Code: WEYER | Case Mol: 02761 | SAS Mol:

SDG No.: 50487

Matrix: (2011/water) SOIL

Lab Gample ID: 30489

Sample wi/ved: 15.1 (g/mL) S

Lab File ID: BN0620D

tavel: (low/med) LOW

Date Received: 05/25/90

% Moisture: not dec. 14 dec.

Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC Date Anslyzed: 06/20/90

GPC Cleanup: (Y/N) Y pH: Dilution Factor: 2.5 5.0

713190

Number TICs found: 0

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

I COMPOUND NAME | RT | EST. CONC. | Q | | The part was the

moved i makemic

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Mame: WEYERHARUSER

Contract: MCCOURT

( Code: WEYER Case No.: 02761 SAS No.: SDS No.: 50487

Macrix: (soil/water) SOIL Lab Sample ID: 50490

Sample wt/vol: 20.0 (g/mL) 6 Lab File ID: ENG620E

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

Date Extracted: 06/04/90 % Moisture: not dec. 13 dec.

Date Analyzed: 06/20/90 Extraction: (SepF/Cont/Sonc) SONC

Dilution Factor: 3.5 5.0 GPC Cleanup: (Y/N) Y pH: CONCENTRATION UNITS: CONCENTRATION UNITS:

CAS NO.	COMPOUND (ug/L or ug/	Kg) UG/KG	G)		
	<b>,</b>		1	l	
108-75-2	Phenol	5700	(U	ļ	
111-44-4	bis(2-Chloroethyl)Ether	5700	IU	ŧ	
022 _ 57 _ 6	2-Chlorophenol	5700	IU	í	
- 73 07 0 - EA1-73-1	1,3-Dichlorobenzene	5700	IU	;	
	1,4-Dichlorobenzene	5 <b>7</b> 00	[,]	}	
	Benzyl Alcohol	5700	1 L)	ī.	
	1,2-Dichlorobenzene	5700	10	ì	
	2-Methylphenol	5700	1U	ì	
109-40-1	bis(2-Chloroisopropyl)Ether	5700	l U	l	
104-44-5	4-Methylphenoli	5700	IJ	1	
401-44-7	N-Nitroso-Di-n-Propylamine	5700	1U	1	
	Hexachloroethane	5700	ΙIJ	ŧ	
	Nitrobenzene	5700	1U	}	
	Isophorone	5700	IU	!	
	2-Nitrophenol	5700	! []	<u> </u>	
	2,4-Dimethylphenol	5700	11.	ł	
	Benzeic Acid	28000	"TU	1	
111,01,	bis(2-Chlordethoxy)Methane}	5700	113	1	
190-93-9	2,4-Dichlarophenoli	5700	111	ŧ	
100.000.1	1,2,4-Trichlorobenzene	5700	141	ŧ	
	Naphthalene	5700	НU	1	
1 Chan A Yan Salar are see	4-Chloroaniline	5700	HIJ	!	
	Hexachlorobutadiene	5700	i_	ì	
	4-Chloro-3-Methylphenol	5700	НU	ŧ	
	2-Methylnaphthalene	5700	IJ	:	
	Hexachlorocyclopentadiene	5700		1	
	2,4,6-Trichlorophenol		10	?	
	2,4,5-Trichlorophencl	28000	11	1	
	2-Chloronaphthalona	5700	1(1	;	
	2-Nitrosailine		Ш	:	
	Dimethyl Fitholate		ТÜ	1	
	Aceraphybylone		H	}	
· Medical Commence of the comm	2.6-Dimitrotoluena		H	1	
. 605-20-2		t ida 1995. English and a same and a same and a same and a same and a same and a same and a same and a same and a same and		-	

WEY-AB-SAP-4 |

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7/3/90

EPA SAMPLE NO.'

WEY-AB-SAP-4 ;

Lab Name: WEYERHAEUSER Contract: MCCGURT |

( D Code: WEYER Case No.: 02761 SAS No.: 5DG No.: 50487

Matrix: (soil/water) SOIL Lab Sample ID: 50470

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

...., ..., ..

SPC Cleanup: (Y/N) Y pH: Dilution Factor: 2.5.5.0

Dilution Factor: 2.5.0 JMS

CONCENTRATION UNITS: 7/3/91

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

		Lil	ANTHERA USAN	arrena ek	AT 100 %		
	CAS NO.	COMPOUND (L	g/L or	ug/Kg)	UG/KG		Q
1				t F		l	I
Į.	99-09-2	3-Nitroaniline		1	28000	HU	1
1	83-32-9	Acenaphthene		1	5700	ŧIJ	*
1	-51-28-5	2,4-Dinitrophenol		1	28000	łU	1
	100-02-7	4-Nitrophenol			29000	IU	ş
ŧ	132-64-9	Dibenzofuran			5700	H.	1
1	121-14-2	2,4-Dinitrotoluene	and the said with first over the	1	5700	1:5	<b>{</b>
1	84-66-2	Diethylphthalate	arms stord forms some copy Web's to	†	5700	IU	i
1	7005-72-3	4-Chlorophenyl-pheny	lether	ŧ	5700	iŲ	I
ŧ	86-73-7	F1 warene		į	5700	HÜ	1
ļ	100-01-6	4-Nitroaniline			28000	ΙU	ł
ì	-534-52-1	4,6-Dinitrs-2-Methyl	phenol		28000	Ц	1
:	86-30-6	N-Nitrosodiphenylami	ne (1)	1	5700	HU	Į.
į	101-55-3	4-Bromophenyl-phenyl	ether		5700	1U	<b>\$</b>
ì	118-74-1	Hexachlorobenzena		1	5700	111	į
?	87-86-5	Pentachlorophengl		1	7500	IJ	į
ŧ	-85-01-8	Phenenthrene		1	1000	. J i	Ţ
i	120-12-7	Anthracene		ļ	5700	1.1	1
ì	- F14-74-7	Di-n-ButViohtbalato		!	5700	111	1
į	206-44-0	Fluoranthene		ł	5700	ΙU	ŧ
ļ	129-00-0			!	5700	HJ	ł
!	- 65-66-7	Butylbenzylohthalate		}	5700	) LJ	1
İ	91-94-1		7e?		11000	: U	1
:	- 64-55-3	Benzo(a)Anthracene		!	5700	IJ	{
!	218-01-9	Chrysene	pros byst garbr more entre make said	1	5700	4, 3	İ
;	11/-81-7	bis(2-Ethyltexyl)abt	halate	{	17000	B	\$
ŧ	1 1 7 - (B.Q and ) - and and	Di-n-Octyl Phthalate		u	5700	1U	i.
ì	205-99-2	Benzo(b)Éluoranthene			<b>570</b> 0	l EJ	\$
į		Benzo(k)Finor anthone		ì	5700		1
;	-80-3 <b>2-8</b>	Benzo(a)Pyrene		1	5700	IJ	!
Ī	193-39-5	Indeno(1,2,3-ed)Pyre	( E.)	1	5700	L	1
÷	- 30 + <b>70 - 3</b>	Dibenz (a.h)Anthracen	<u> </u>	!	5700	1 1.1	!
:	171-24-2	Berzong, h. : Fishylene			970D	1.1	:
١.		nte i in in anno mare mangang ang mga mga mga mga mga mga mga mga mga mg	nonemperature plant so a session of		m down come (mg		4
	The second secon						

(a) - Daniel to depended from Diphesylamine -

EPA SAMPLE NO.

11 SENTING BILLE DESCRICE ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: WEYERHAEUSER Contract: MCCOURT !

Marrix: (soil/water) SOIL

Lab Sample ID: 50990

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

Leb File ID: BN0620E

Date Received: 05/25/90

Level: (low/med) LOW

% Moisture: not dec. 13 dec. Date Extracted: 06/04/90

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/20/90

JHS

BPC Cleanup: (Y/N) Y pH:

Dalution Factor: 4.5 5.0

7/3/42

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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WEY-ABBAP-3DL

Lab Name: WEYERHAEUSER Contract: MCCOURT ) Code: WEYER Case No.: 02761 SAS No.: SDS No.: 50487 Matrix: (soil/water) SOH Lab Sample ID: 30489DL Sample wt/vol: 15.1 (q/mi\_) a Lab File ID: 2BN07026 Level: (Low/med) LOW Date Received: 05/25/90 % Moisture: not dec. 3.49 dec. Date Extracted: 06/04/90 Extraction: (SepF/Cont/Sonc) SONO Date Analyzed: 07/02/90 GPC Cleanup: (YZN) Y pHr Dilution Factor: 43 25.0 2MC 71319 CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) US/KG  $\odot$ . | 108-95-2----Phenol\_\_\_\_ 38000 113 | 111-44-4----bis(2-Chloroethyl)Ether\_\_\_\_ 38000 111 | 95-57-8-----2-Chlorophenol\_\_\_\_\_| 38000 IU 541-73-1----1,3-Dichlorobenzene\_\_\_! 38000 IJ ! 106-46-7----1,4-Dichlorobenzene\_\_\_ OOCBE [ ...j | 100-51-6-----Benzyl Alcohol\_\_\_\_\_! 38000 111 38000 U 38000 | 108-60-1-----bis(2-Chloroiscpropy!)Ether\_! 38000 111 1 106-44-5----4-Methylphenol\_\_\_\_\_\_ 38000 10 38000 U 67-72-1----Hexachloroethane\_\_\_\_! 38000 Ш 1 98-95-3----Nitrobenzene\_\_\_\_ 38000 14 38000 145 1 88-75-5-----2-Nitrophenol\_\_\_\_\_ 38000 HJ 38000 4 ; ; 1 65-85-0----Benzoic Acid\_\_\_\_\_1 180000 H ! 111-91-1----bis(2-Chloroeihoxy)Methane\_\_\_; 38000 111 : 120-83-2----2,4-Dichlorophenol\_\_\_\_: 38000 111 120-82-1----1,2,4-Trichlorobenzeme\_\_\_\_: 38000 111 91-20-3-----Naphthalene\_\_\_\_\_\_ 38000 11, | 106-47-8----4-Chloroaniline\_\_\_\_| 38000 111 1 37-68-3----Hexachlorobutadione\_\_\_\_} 38000 110 | 59-50-7-----4-Chloro-3-Methylphenol\_\_\_\_| 38000 U 91-57-6----2-Methylnaphthalene\_\_\_\_\_ 330(n) 111 77-47-4-----Hexachlorocyclupentadiene\_\_\_\_ 38000 143 | 58-06-2----2,4,6-Trich]orophenol\_\_\_\_\_\_\_\_\_ 38000  $\Box$ | 95-95-4----2,4,5-Trichlerophenel\_\_\_\_\_\_ 180000 11: 91-58-7- ----2-Chloronaphthalene\_\_\_\_\_{ 30000 180000 1 : : 39000 1 1 1 111 38000 1.3

Contract: MCSGURT Lab Name: WEYERHAEUSER SDS No.: 50487 SAS No.: Case No.: 02761 ~ Code: WEYER Hatrix: (soil/water) SOIL 50489IIL Lab Sample ID: Lab File ID: 20N07026 15.1 (q/al.) 8 Sample wt/vol: 05/25/90 Date Received: LOW (low/med) Levels Date Extracted: 06/04/90 % Moisture: not dec. 14 dec. 07/02/90 SONC Date Analyzed: (SepF/Cont/Sonc) Extractions SMC Dilution Factor: 43 25.0 (YZN) Y r/H: 6PC Cleanup: 7/3/9[ CONCENTRATION UNITS: (ug/L ar ug/Kg) UG/KG 0 COMPOUND CAS NO. ! 99-09-2----3-Nitroaniline !U 180000 1 B3-32-9-----Acenaphthene 38000 111 ! 51-28-5----2,4-Dinitrophenol\_\_\_\_! 10 180000 180000 IU 100-02-7---4-kitrophenol i 132-64-9-----Dibenzofuran\_\_\_\_\_i 38000 111 38000 LU IU ! 84-66-2----Diethylphthalate\_\_\_\_| 38000 7005-72-3----4-Chlorophenyl-phenylether\_\_\_! 38000 HU !U 38000 180000 111 534-52-1-----4,6-Dinitro-2-Methylphenol\_\_\_! 180000 111 38000 11: 86-30-6-----N-Nitrosodiphenylamine (1)\_\_\_! ! 101-55-3----4-Bromophenyl-phenylether\_\_\_| 0008214 38000 111 : 118-74-1----Hexachlerobenzene\_\_\_\_; : 87-86-5----Pentachlorophenol\_\_\_\_! i DJ 91000 38000 ...! U 38000 84-74-2----Di-m-Butylphthalate\_\_\_\_ 38000 ili 206-44-0----Fluoranthene 38000 111 38000 IU 85-48-7-----Butylbenzylphthalate\_\_\_\_\_ 38000 U  $: \mathbb{L}^{j}$ 91-94-1----3,3'-Dichlorchenzidine\_\_\_\_\_! 76000 38000 111 S6-S5-2----Benzo(a) Anthracene\_\_\_\_| 38000 10 117-81-7------bis(2-Ethylhexyl)phthalate\_\_\_\_ 400000 180 117-89-0----Di-m-Dutyl Philalate\_\_\_\_! 38000 : [] 38000 U 1 208-97-2----Benzo(b) Fluoranthens 1 38000 1.5 1 50-32-8------------Benzo(a)Pyrenc\_\_\_\_\_\_ :11 39000 193-39-5--- Lidencii, D. Jeed) Fyrene \_\_\_\_! 38000 ; [\_\_\_ 38000 10 UNE-YOU -- -- -- -- Silienz (c., in) Ar the access

11 - Ile med he separated from Diplomy Lamine

191-64-7-----Wenzo(q,h, ) Perylane |

39000

11.1

SEMIVOLATILE ORGANICS ANALYSIS DATA SMEET TENTATIVELY IDENTIFIED COMFOUNDS

EPA SAMPLE NO!

WEY-ARSAP-BOLL

Lab Name: WEYERHAEUSER

Contract: MCCGURT

SDG No.: 50487

Matrix: (soil/water) SOIL

Lab Sample ID: 50489DL

Sample wt/vol: 15.1 (g/mL) 6 Lab File ID: 2BN07026

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: 43 25.0

JMS 7/3/96

Number TICs found: 1

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

ł COMPOUND NAME | RT | EST. CONC. | Q | I CAS NUMBER The property of the control of the c 

· (.)

SBLKSI Contract: MCCGURT Lab Name: WEYERHAEUSER SDS No.: 50487 SAS No.: . Codes WEYER Case No.: 02761 SBLKS1 Lab Sample ID: Matrix: (scil/water) SOIL Ž. Lab File ID: ENOS20A 30.0 (q/mL) G Sample wt/vol: Date Received: Lavels (Low/med) LOW Date Extracted: 06/04/90 % Moisture: not dec. dec. 06/20/90 SONO Date Analyzed: (SepF/Cont/Sanc) Extraction: Dilution Factor: 0.501.0 JUS pHs BPC Cleanup: (Y/N) Y7/3/90 CONCENTRATION UNITS: () (ug/L or ug/Kg) UG/KG CAS NO. COMPOUND ! 660 113 1 108-95-2-----Phenol\_\_\_\_\_ 660 ł U 1 111-44-4-----bis(2-Ch)oroethyl)Ether\_\_\_\_[ 066 ١U 660 !U 106-46-7----1,4-Dichlorobenzene\_\_\_\_! 660 ; [] 660 l U 660 10 | 95-50-1----1,2-Dichlorobenzene\_\_\_\_\_ 660 10 IU. 1 108-60-1-----bis(2-Chloroisopropyl)Ether\_\_l 660 660 111 106-44-5----4-Methylphenol\_\_\_\_\_ H 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_ 650 660 11 57-72-1-----Hexachloroethane\_\_\_\_\_! 660 111 78-95-3------Nitrobenzene\_\_\_\_I 660 111 10 | 88-75-5-----2-Nitrophenol\_\_\_\_\_| 660 .... 65O 1 105-67-9----2,4-Dimethylphenol\_\_\_\_! 111 3200 : 65-85-0----Benzoic Acid\_\_\_\_\_ 660 10 ! 111-91-1-----bis(2-Chloroethoxy)Methane\_\_\_! 660 · IU | 120-83-2-----2,4-Dichlorophenol\_\_\_\_\_! 660 111 120-82-1-----1,2,4-Trichlorobenzene\_\_\_\_! i 91-20-3-----Naphthalene\_\_\_\_ 660 111 660 14 11. 660 | 87-68-3----Hexachlorobutadiene\_\_\_\_\_( 10 660 ! 91-57-6----2-Methylnaphthalene\_\_\_\_! 660 10 660 Ш 1 77-47-4------Hexachlorocyclopentadiene\_\_\_\_! 1.3 660 111 3200

10

H

10

U

660

660

660

660

3200

1 91-19-7----2-Chloronaphthalene\_\_\_\_\_

200-96-6----Aceraphthylene

EPA SAMPLE NO: SEMIPOLATILE CROANICS ANALYSIS DATA SHEET

SBLKS1 Lab Name: WEYERHAEUSER Contract: MCCOURT

1 3 Codw: WEYER Case No.: 02761 SAS No.: SDS No.: 50487

Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1

BN0620A Sample wt/vol: 30.0 (a/mL) B Lab File ID:

Date Received: Levels (low/med) LOW

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

(SepF/Cont/Sonc) SONO Date Analyzed: 06/20/90 Extraction:

IMS Dilution Factor: -C.50 1.0 GFC Cleanup: (Y/N) Y pH: 7/3/96

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG C) 3200 HJ | 83-32-9----Acenaphthene 660 łU 1 51-28-5----2,4-Dinitrophenol\_\_\_\_l 3200 IU 3200 | 132-64-9----Dibenzofuran\_\_\_\_| 660 IJ 1 121-14-2----2,4-Dinitrotoluene\_\_\_\_\_ l Li 660 · 1 84-66-2----Diethylphthalate\_\_\_\_\_| 660 111 7005-72-3----4-Chlorophenyl-phenylether\_\_\_\_ 650 ; U 660 iLi 100-01-6-----4-Nitroaniline\_\_\_\_\_ 111 3200 | 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_| 3200 111 : 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_ 650 113 101-55-3----4-Bromophenyl-phenylether\_\_\_\_ 660 £U. 111 660 | 87-86-5----Pentachlorophenal\_\_\_\_\_ 3200 1 1 : 13 660 | 120-12-7-----Anthracene\_\_\_\_! :U 6/3084-74-2----Di-n-Butylphthalate (See c) H 206-44-0-----Fluoranthene 660 10 1 126 mar (11) mar (1) com marine - marine - marine - marine - marine marine marine marine marine marine marine - 1 660 H 1 85-68-7----Butylbenzylphthalate\_\_\_\_! 660 14 | 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_\_ 1.300 56-55-3----Benzo(a)Anthracene\_\_\_\_\_! 1 660 H Occ ! 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_! 770 1 117-84-0----Di-n-Octyl Phthalate\_\_\_\_\_ 660 ! ! 1 205-99-2----Benzo(b)Fluoranthene\_\_\_\_\_1 660 1 L i 207-08-9-----Benzo(k)Fluoranthene 11.1 000 650 10 OCO C 111 53-70-3----Dibecz(a,l)Anthrocene\_\_\_\_\_ 650 113 191-24-2---Benzo(g,h,i)Ferylane 660 111

11) - Carriet be separated from Diphenylumine

EFA SAMPLE O. \* 84 . j. 117 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS Lab Name: WEYERHAEUGER Contract: MCCOURT ( b Code: WEYER Case No.: 02761 SAS No.: SD6 No.: 50457 Lab Bample ID: SELKS1 Matrix: (soil/water) SOIL Sample wt/vol: 30.0 (g/mL) 6 Lab File JD: E006206 Date Received: Level: (low/mad) LOW % Moisture: not dec. dec. Date Extracted: 06/04/90 Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 06/20/90 JHS Dilution Factor: 4.53 1.0 GPC Cleanup: (Y/N) Y pH: 07/3/91 CONCENTRATION UNITS:

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

| | COMPOUND NAME | RT | EST. CONC. | G | CAS NUMBER Light department and the season and

SEMINULATILE ORGANICS AMALYSIS DATA SHEET
SBLKS2
Lab Name: WEYERHAEUSER Contract: MCCOURT

( D Code: WEYER Case No.: 02761 SAS No.: SPG No.: 50487

Matrix: (soil/water) SOIL Lab Sacple ID: SBLKS2

Sample wi/vol: 30.0 (g/ml) 6 Lab File 1D: 2BN0702H

Level: (low/med) LOW Date Received:

% Moisture: not dec. dec. Date Extrected: 06/04/90

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

The second of th

OPC Cleanup: (Y/N) Y pH: Dilution Factor: 0.50 1.0 JMS

CONCENTRATION UNITS: 7/3/90

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

	LAS NU.	COMPONE (CG/L or o	(g/Kg)	UGARG	(p)	
ŧ			ţ		ţ	ł
!	108-95-2	Phenol bis(2-Chloroethyl)Ether		660	Ш	1
!	111-44-4	bis(2-Chloroethyl)Ether		660	£U.	1
1	95-57-6	2-Chlorophenol	1	0 එය	IU.	(
į	541-73-1	1,3-Dichlorobenzene	}	660	łU	1
i	106-46-7	1,4-Dichlorobenzene	3	660	Ш	į
1	100-51-6	Benzyl Alcohol	!	660	1U	}
1	95-50-1	1,2-Dichlorobenzene	}	660	Ц	ţ
1	95-48-7	2-Methylphenol		660	HU	ļ
1	108-60-1	bis(2-Chloroisopropyl)Ether	!	660	HU	ļ
!	106-44-5	4-Methylphenol		660	10	1
}	-6/21-64-7	N-Nitroso-Di-n-Propylamine	. 1	660	!U	}
į	67-72-1	Hexachloroethane	1	660	IJ	i
!	79-75-3	Nitrobenzene	i	660	١U	1
:	78-59-1	Isophorone		660	łU	1
;	-88-75-5	2-Nitrophenol	ŧ	<b>ఉ</b> చ్	เบ	į
1	105-67-9	2,4-Dimethylphenol	!	<b>5</b> 50	نان	1
:	45-85-0			3200	lU	1
:	111-91-1	bis(2-Chloroethoxy)Methane	Ţ	660	[ [,]	1
•	120-83-2	2,4-Dichlorephenol	1	550	Ш	ì
:	120-82-1	1,2,4-Trichlorobenzene	1	660	I U	!
;	91-20-3	Naphthalene	3	<u>చచ</u>	U	1
:	106-47-5	4-Chlorcaniline	i i	660	113	1
:	87-48-3	Hexachiorobutadiene	1	660	W	!
:	59-50-7	d-Chioro-3-Methylphenol		660	IJ	;
2	91-57-6	2-Methylnaphthalena	;	660		;
•	77-47-4	Hexachlorocyclopentadiene	1	దరం	I Li	;
	88-04-2	2,4,6-Trichlorophenol	<u></u>	660	IJ	;
•	- 우민~ 우답~ 뭐	R.4.5-Truchlorophenol	·	3200	L	į
:	91-50-7	2-Chlorunaphthalene	į.	660	li.	;
;	CB-74-4		;	3200	\U	•
:	31-11-3	Dimothy: Enthalato	]	660		;
	1909-95-5			±&O	1.	;
•	MONTH DOWN	2,6-Mencholelwene	!	550	1U	;
		A CONTROL OF THE PROPERTY OF T				ngdo ann -

Contract: MCCOURT Lab Name: WEYERHAEUSER ( Code: WEYER Case No.: 02761 SAS No.: SD6 No.: 50487 Marrix: (soil/water) SOIL Lab Sample II): SBLKS2 Sample wt/vol: 30:0 (g/mL) B Lab File 10: 29N0702H Date Received: Level: (low/med) LOW Date Extracted: 06/04/90 % Maisture: not dec. dec. Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/02/90 CHIL Dilution Factor: <del>0.50</del>-1.0 GPC Cleanup: (Y/N) Y pH:

7/3/91 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG 0

CAS NO.	COMPOUND (ug/L	or ug/Kg)	UG/KG		C;
		1		1	(
99-09-2	3-Nitroaniline	***************************************	3200	10	ţ
83-32-9	Aconaphthene		660	(U	į
51-28-5	2,4-Dinitrophenol		3200	IU	1
100-02-7	4-Nitrophenol		3200	10	1
132-64-9	Dibenzofuran	1 2 3 3	660	113	1
121-14-2	2,4-Dinitrotolucae		660	IU	1
84-66-2	Diethylphthalate	1	860	ΙU	!
7005-72-3	4-Chlorophenyl-phenylet	heri	660	H	1
86-73-7	Elmorene	1	560	ΙU	3
100-01-6	4-Nitroaniline	NATE STORE STORE STORE STORE	3200	IЦ	1
534-52-1	4,6-Dinitro-2-Methylphe	noli	3200	I.J	1
85-30-5	N-Nitrosodiphenylamine	(1)!	660	IU.	!
101-55-5-5-	4-Bromophenyl-phenyleth	er	650	14.	ŧ
118-74-1	Hexachlorobanzene		660	HU	;
97-84-5	Pentachiorophenol		3200	НU	1
85-01-8	Phenanthrone		660	. 40	;
120-12-7	Anthracene	1	660	111	!
84-74-2	Di-n-Butylphthalate	·	660	H	1
206-44-0	Fluoranthene		460	ΙU	1
329-00-0	F'yr crite	* *	<b>56</b> 0	111	!
@5-6 <b>8-7</b>	Butylbenzylphthalate	[	660	L	ļ
91-94-1	3,3'-Dichlerebenzidine_	;	1300	Ш	ì
56-55-3	Benza(a)Anthracene	<u></u>	460	ΙU	;
218-01-9	Chrysene	}	660	IU	1
117-61-7	bis(2-Ethylhexyl)phthal	ate(	140	1.1	1
117-94-5	Di-m-Octyl Phthalate	1	660	11.	ŧ.
205-99-2	Benzo(b)Fluoranthene	;	660	111	1
207-08-9	Benzo(k)Fluoranthene	1	660	<u>                                   </u>	1
Control of the contro			660	Ш	1
:93-39-5	Indean(1,2,3-cd)Pyrene_		660		1
	Diberz (a,b) Anthracene		660	10	:
191-24-2	Lenza (g.h. : ) Forylanc		660	11J	!

EPA SAMPLE MO:

SEMINOLATILE ORGANICS AMALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lob Name: WEYERHARUSER Contract: MCCOURT

( Dodg: WEYER Case No.: 02761 SAS No.: SDS No.: 50487

Matrixs (soil/water) SOIL

Lab Sample ID: SBLKS2

Sample wi/vol: 30 0 (g/mL) G

Lab File ID: 2MM0702H

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: <del>0.5</del>01.0

JMS

7/3/90

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

Number TICs found: 0

COMPOUND NAME | RT | EST. CONC. | Q | 

ab Name: Weyerhaeuser

nt Sample ID: D-1 S-2

san e Description: SOIL

Sample wt/vol: 5.0 G

\_evel: LOW

Moisture: not dec. NA

⊋olumn: CAP

Lab Sample ID: 50482

Request Number ID: 2758

Matrix: SOIL

Lab File ID: >A2931

Date Received: 5/25/90

Date Analyzed: 5/30/90

Dilution Factor: 1.0

CONCENTRATION UNITS:

•	CAS NO. COM	POUND	(ug/L or	ug/Kg)	UG/KG	a	
ı —	<u> </u>			Į.	10	1	_i
	74-87-3Chl				10.	Į U	1
	74-83-9Bro				10.	10	!
	75-0 1-4V i n				10.	10	
	75-00-3Ch1				10.	Įυ	ŀ
1	75-09-2Me t	hylene_Chlor	ide	!	5.	10	
i	67-64-1Ace	t on e	· · · · · · · · · · · · · · · · · · ·		62.		į.
	75-15-0Car				5.	Įυ	l i
	75-35-41,1				5.	Įυ	!
i	75-34-31,1	-Dichloroeth	апе	!	5.	10	1
į	540-59-01,2	-Dichloroeti	nene-total_	1	5.	Įυ	!
i	67-66-3Ch				5.	ΙÜ	. !
i	107-02-21,2	-Dichloroett	nane	1	5.	ĮŪ	l.
i	78-93-32-8				10.	ΙÚ	l
i	71-55-61,1	, 1-Trichlore	oethane		5.	ΙU	I
i	56-23-5Car	bon Tetrach	loride	i	5.	10	I
i	108-05-4Vin				10,	ĮŪ	l.
i	75-27-4Bro	modichlorom	ethane	1	5.	ľn	
i	78-87-51,2				5,	ĮU	1
ì	1006 1-0 1-5c i s				5.	Įυ	1
1	79-01-6Tri				5.	Įυ	ì
i	124-48-1Dib	romochlorom	ethane		5.	Į U	i
1	79-00-51,				5.	Įυ	
i	7 1-43-2Ben				5.	ĮU	i
;	10061-02-6tra	ans → 1.3-Dich	loropropene	1	5.	Įυ	١
1	75-25-2Br	omo form	, ,		5.	ĮU.	l
1	108-10-14-6	dethvl-2-pen	tanone	1	10.	Įυ	1
1	591-78-62-H	Нехапопе		I	10,	Įυ	
,	127-18-4Tel	trachloroeth	e n e	l	5.	∤ U	
1	79-34-51,	1.2.2-Tetrac	hloroethane	1	5.	ĮŪ	
	108-88-3To				5.	ĮU	
1	108-90-7Ch	lorobenzene			5.	U	
1	100-4 1-4Ett				5.	Įυ	
1	100-42-5				5.	נט	
i i	133-02-7Xy				5.	U	
1	133-02-/	, c, i.c c . c		i		,	

Lab Name: Weyerhaeuser

Lab Sample ID: 50483

| 'ient 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

CAS NO.	COMPOUND	CONCENTRATION U (ug/L or ug/Kg)		Q	
·		1		1	
74-87-3	Chloromethane	e	10.	Įυ	
74-83-9	Bromomethane_		10.	10	
	Vinyl Chloric		10.	10	
75-00-3	Chloroethane_		10.	10	
75-09-2	Methylene_Chi	loride	5.	10	

1	1		1	ı
į	74-87-3Chloromethane	10.	Įυ	i
l	74-83-9Bromome thane	10.	10	1
١	75-01-4Vinyl Chloride	10.	Įυ	1
į	75-00-3Chloroethane	10.	Įυ	l
ı	75-09-2Methylene_Chloride	5.	10	1
į	67-64-1Acetone	100.	1	1
ļ	75-15-0Carbon Disulfide	5.	ľU	1
į	75-35-41, 1-Dichloroethene	5.	ΙU	- 1
į	75-34-31, 1-Dichloroethane	5.	ľU	1
ı	540-59-01,2-Dichloroethene-total		Įυ	- 1
ł	67-66-3Chloroform	5,	1 U	1
1	107-02-21,2-Dichloroethane		Įυ	- 1
l	78-93-32-Butanone	10.	Įυ	1
1	71-55-61, 1, 1-Trichloroethane	5.	Įυ	1
1	56-23-5Carbon Tetrachloride		ΙU	1
ı	108-05-4Vinyl Acetate		Įυ	1
ı	75-27-4Bromodichloromethane	5.	Įυ	1
ı	78-87-51,2-Dichloropropane[	5.	Įυ	1
I	1006 1-0 1-5cis-1, 3-Dichloropropene[		] U	1
ı	79-01-6Trichloroethene	5.	Įυ	1
ł	124-48-1Dibromochloromethane	5.	Įυ	Į
į	79-00-51, 1, 2-Trichloroethane	5.	Įυ	ı
ł	7 1-43-2Benzene	5.	ĮΨ	1
ı	1006 1-02-6trans-1,3-Dichloropropene[	5.	Įυ	1
Į	75-25-2Bromoform	5.	ΙU	1
1	108-10-1	10.	ΙU	1
į	591-78-6	10.	Įυ	1
Į	127-18-4Tetrachloroethene	5.	10	1
Į	79-34-51,1,2,2-Tetrachloroethane	5.	ΙU	1
1	108-88-3Toluene	5.	{ U	- 1
Ī	108-90-7Chlorobenzene	5.	Įυ	1
I	100-41-4Ethylbenzene	5.	10	1
ı	100-42-5	5.	Įυ	- 1
١	133-02-7Xylene-total	5.	U	1
1			1	- 1

Lab Name: Weyerhaeuser

Lab Sample ID: 50484

, ant Sample ID: D-1 S-4

·Request Number 10: 2760

le Description: SOLL

Matrix: SOIL

Sample wt/voi: 5.0

>A2954 .

Lab File ID:

evel: LOW

3 a

Date Received: 5/25/90

∜ Moisture: not dec. NA

Date Analyzed: 5/31/90

CAP

Dilution Factor: 1

CONCENTRATION UNITS:

CAS NO. CO	DMPOUND			g) UG/KG	Q	
		<del></del>	1		ı	_
74-87-3CI	hloromethane			10.	Įυ	
74-83-9B	romomethane_			10.	Įυ	
75-0 1-4V	iny! Chloric	le		10.	Įυ	
75-00-3C				10.	Įυ	
75-09-2M				5.	Įυ	
67-64-1A	cetone		1	24.	I	
75-15-0C	arbon Disuli	'ide		5.	l U	
75-35-41	, 1-Dichloroe	thene	1	5.	Įυ	
75-34-31	. 1-Dichloroe	ethane	l	5.	Įυ	
540-59-01				5.	U	
67-66-3C				5.	ĮΟ.	
107-02-21				5.	Įυ	
78-93-32				10.	Įυ	
71-55-61	. 1. 1-Trichle	roethane	1	5.	Įυ	
56-23-5C	arbon Tetra	chioride	1	5.	ĮU	
108-05-4V	invl Acetate	2		10.	Įυ	
75-27-4B	romodichlor	ome thane	1	5.	Įυ	
78-87-51				5.	Į U	
1006 1-0 1-5c	is-1 3-0 ich	loropropene		5.	ΙU	
79-01-6T	richloroeth	ene		5.	Į U	
124-48-1D	ibromoch Lor	omethane	;	5.	Įυ	
79-00-5				5.	Įυ	
7 1-43-2B				5.	Įυ	
10061-02-6	rans-1 3-Di	chloroprope	ne i	5.	Įυ	
75-25-2	Promoform	<b>411</b> 10, <b>4</b> 1, <b>4</b> 1	· · ·	5.	Įυ	
108-10-1		entanone	i	10.	Įυ	
591-78-62				10.	{U	
127-18-4T		thene	i	5.	ΙU	
79-34-5	1 1 2 2-Tetr	ach Lorgetha	ne l	5.	Įυ	
				5.	įυ	
108-88-3T	Chlorobenzen	e .	· · · · · · · · · · · · · · · · · · ·	- •	įŪ	
108-90-/		·	¦	5.	įυ	
100-4 1-4	: thy i beli zene		······································		įū	
100-42-5	cyrene		۱		įυ	
133-02-7>	kyiene⊸totai		!	<b>J.</b>	, •	

ab Name: Weyerhaeuser

( 'nt Sample ID: D-1 S-6

lample Description: SOIL

Sample wt∕vol: 5.0 G

.evel: LOW

& Moisture: not dec. NA

Calumn: CAP

tan Sample 10: 50486

Request Number 1D: 2758

Matrix: SOIL

Lab File ID: →A2934

Date Received: 5/25/90

Date Analyzed: 5/30/90

Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTA (ug/L or			Ċ	<u>ي</u>
				±44 · .		°
. 74 07 0	Chloromethane		1	10.	Ιυ	l I
	Bromomethane_			10.	ĺΰ	i
	Vinyl Chlorid			10.	ίŬ	ĺ
	Chloroethane_			10.	iŭ	ì
•	Methylene_Chi			5.	ίŬ	i
•	Acetone			110.	ĺ	
	Carbon Disulf			5.	ίυ	,
• • • • • • •				5.	10	ì
•	1, 1-Dichloroe			5.	10	
	1, 1-Dichloroe			. 5.	10	1
•	1,2-Dichloroe					,
, -,	Chloroform			5.	Įυ	!
	1,2-Dichloroe			5.	ΙU	;
	2-Butanone			10.	Įυ	
	1,1,1-Trichlo			5.	Įυ	
	Carbon Tetrac			5.	Įυ	ļ
•	Vinyl Acetate			10.	10	
•	Bromodichtoro			5.	Įυ	
1 78-87-5	1,2-Dichlorop	ropane	1	5.	ĮΨ	
10061-01-6	cis-1,3-Dichl	oropropene	1	5.	Įυ	
79-01-6	Trichloroethe	л е	l	5.	Įυ	
124-48-1	Dibromochloro	methane	t	5.	Įυ	
79-00-5	1, 1, 2-Trichlo	roethane	1	٤.	Įυ	
71-43-2	Benzene		1	<b>5</b> .	{ U	
	trans-1,3-Dic	hloropropen	=1	5.	10	
	Bromoform			5 🚛	Įυ	
	4-Methyl-2-pe			10.	Įυ	
•	2-Hexanone			10.	10	
	Tetrachloroet			5.	Įυ	
	1,1,2,2-Tetra			5.	Įυ	
	Toluene			5.	ľŪ	
	Chlorobenzene			5.	Įυ	٠.
•	Ethylbenzene_			5.	Įυ	
•	Styrene			5.	{U	
•	Xylene-total_			5.	įυ	
1 100-02-7	xy rene cocur		;	•	i	
I				<del> </del>		

ab Name: Weyerhaeuser

Lab Sample ID: VBLKS1

jant Sample ID: NA

Request Number 1D: 2760

an e Description: METHOD BLANK

Matrix: SOIL

ample wt/vol: 5.0 G

Lab File 10: >A2924

evel: LOW

Date Received: NA

Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCE	ITR/	ATION UN	IITS:
(ug/L	οr	ug/Kg)	UG/KG

CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	Q
			1	4.5	1
74-87-3	Chloromethane_		<u>!</u>	10.	ΙU
74-83-9	Bromomethane		!	10.	ΙU
75-0 1-4	Vinyt Chioride	<u> </u>	!	10.	Į U
75-00-3	Chloroethane		1	10.	} U
75-09-2	Methylene_Chl	oride		5.	Įυ
67-64-1	Acetone			1Ú.	Įυ
75-15-0	Carbon Disulf	i d e	I	5.	Įυ
75-35-4	1, 1-Dichloroe	thene	1	5.	ΙU
75-34-3	1,1-Dichloroe	t hane	1	5.	Įυ
540-59-0	1,2-Dichloroe	thene-total_	I	5.	10
67 66 3	Chloroform		1	5.	Įυ
107-00-0	1,2-Dichloroe	thane	1	5.	Įυ
70.03_3	2_Butanone			10.	ĮU į
71 55 6	1, 1, 1—Trichlo	roethane	1	5.	Įυ
7 1-33-0	Carbon Tetrac	hloride	1	5.	Įυ
100 05 4	Vinyl Acetate		i	10.	Įυ
75 07 4	Bromodichloro	methane		5.	ŢÜ
75-27-4	1,2-Dichlorop	горале	1	5.	Įυ
/8-8/-5	cis-1,3-Dichl	oropropene		5.	Įυ
10061-01-5-	Trichloroethe	ne	 i	5.	Įυ
/9-01-6	Dibromochioro	methane	;	5.	10
124-48-1	1 1 2 Trichlo	coethane		5.	Įυ
79-00-5	1, 1, 2-Trichlo	10001114110	·	5.	Ü
7 1-43-2	Benzene	hiorontonene		5.	įυ
1006 1-02-6-	trans-1,3-Dic	u , o i ob i obene	·——¦	5.	ίŪ
75-25-2	Bromoform	o t a p a p a	! i	10.	įυ
108-10-1	4-Methyl-2-ρe	ntanone		10.	ίŪ
591-78-6	2_Hexanone			5.	ίŪ
127-18-4	Tetrachloroet	nene	;	5.	ÌŪ
79-34-5	1, 1, 2, 2-Tetra	cnioroethand	! 	5.	Įυ
108-88-3	Toluene		!	5.	ΙŪ
108-90-7	Chlorobenzene		!	5.	ĮŪ
100-4 1-4	Ethylbenzene_			5. 5.	ΙŪ
100-42-5	Styrene			-	10
133-02-7	xyiene-total_		l	5.	10

Lab Name: Weyerhaeuser

Lab Sample ID: V8LKS2

"lient Sample ID: NA

% Moisture: not dec. NA

Request Number 10: 2760

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2953 (

\_evel: LOW

Date Received: NA

Date Analyzed: 5/31/90

Column: CAP

•

Dilution Factor: 1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	C	<b>}</b>
		· · · · · · · · · · · · · · · · · · ·	1	<u> </u>	1	i
	Chloromethane_			10.	Į U	1
	Bromomethane			10.	l U	1
75-01-4	Vinyl Chloride	·	1	10,	Įυ	- 1
75-00-3	Chloroethane	· · · · · · · · · · · · · · · · · · ·	1	1Ú.	ΙU	1
	Methylene_Chlo			5.	Įυ	- 1
67-64-1	Acetone		1	10.	ĮΨ	1
75-15-0	Carbon Disulfi	d e		5.	Įυ	ŧ
75-35-4	1, 1-Dichloroet	hene		5.	ĮΨ	1
75-34-3	1, 1-Dichloroet	hane	1	5.	ĮU	t
540-59-0	1,2-Dichloroet	hene-total_	!	5.	ľU	1
67-66-3	Chioroform		[	5.	Į U	1
	1,2_Dichloroet			5.	ĮΨ	1
78-93-3	2-Butanone		1	10.	ľU	1
	1, 1, 1-Trichlor			5.	Įυ	1
56-23-5	Carbon Tetrach	nloride	[	5.	[ U	ŧ
108-05-4	Vinyl Acetate_		1	10.	[ U	1
75-27-4	Bromodichtoron	nethane	1	5.	10	+
1 78-87-5	t,2-Dichlorops	opane	1	5.	IU	1.
10061-01-5-	cis-1,3-Dichic	oropropene	I	5.	LU	1
79-01-6	Trichloroether	ı e	1	5.	ΙU	1
124-48-1	Dibromochloron	nethane	I	5.	ΙU	1
	1, 1, 2-Trichtor			5.	Įυ	1
7 1-43-2	Benzene		{	5.	ΙU	1
10061-02-6-	trans-1,3-Dict	loropropene	I	5,	ΙU	1
75-25-2	Bromoform		1	5.	ĮU	I.
108-10-1	4-Methy1-2-per	ntanone	1	10.	IU	Į.
	2_He xanone			10.	Įυ	1
127-18-4	Tetrachloroett	теле	I	5.	ĮU	1
1 79-34-5	1, 1, 2, 2-Tetrac	hloroethane,	l	5.	Įυ	t
108-88-3	Toluene		t	5.	ΙU	- 1
108-90-7	Chlorobenzene_		1	5.	ĮΨ	1
100-41-4	Ethylbenzene_		1	5.	Įυ	1
	Styrene			5.	Įυ	1
	Xylene-total_			5.	( U	1
1			1		1	1

rati Name: weverhaeuser

Lap Sample ID: VBLKS1

ent Sample ID: NA

Request Number (D: 2759

le Description: SÖIL

% Moisture: not dec. NA

Matrix: SOIL

\$ample wt/vol: 5.0 G

Lab File 10: 2A2953 -

Date Received: NA

.evel: LÚW

13

Date Analyzed: 5/31/90

Cap Cap

Dilution Factor: 1

CONCENTRATION UNITS:

CAS NO.		id/F or na/Ka) (		ů
		[		1
74-87-3	Chloromethane		10.	Įυ
	Bromomethane		10.	Įυ
75-01-4	Vinyl Chloride		10.	ſυ
	Chioroethane		10.	Įυ
	Methylene_Chloride_		5.	ĮU
			10.	į U
	Carbon Disulfide		5.	10
	1, 1-Dichloroethene_		5.	ĮU
	1, 1-Dichloroethane_		5.	ΙU
	1,2-Dichtoroethene-		5.	ĮU,
	Chloroform		5.	ΙU
	1,2-Dichloroethane_		5.	Įυ
	2-Butanone		10.	10
	1, 1, 1-Trichloroetha		5.	IU
	Carbon Tetrachloric		5.	Įυ
	Vinyl Acetate		10.	Įυ
	Bromodichtoromethau		5.	ĮU
	1,2-Dichloropropan		5.	ĮU
	cis-1,3-Dichloropre		5.	IU
	Trichloroethene		5.	10
	Dibromochlorometha		5.	Įυ
70 00 5	1, 1,2-Trichloroeth	ane l	5.	10
	Benzene		5.	įU
10051 00 6	trans-1,3-Dichloro	propene i	5.	ĮU
75 05 0	Bromoform_		5.	[U
100 10 1	4-Methyl-2-pentano	n e	10.	Įυ
	2-Hexanone		10.	ΙU
107 14 4	Tetrachloroethene_	1	5.	Įυ
	1, 1, 2, 2-Tetrachlor		5.	Įυ
	Toluene		5.	ſU
	Chlorobenzene		5.	įυ
	Ethylbenzene		5.	Ü
100-4 (-4	Styrene	, 	5.	ļυ
100-42-5	Xylene_total		5.	įυ
133-02-/	xyrene-total		- ·	i

ab Name: Weyerhaeuser Lab Sample ID: 50473

ent Sample ID: D-2 S-1 Request Number ID: 2759

ample Description: SOIL Matrix: SOIL

ample wt/vol: 5.0 G Lab File ID: >A2963

evel: LOW Date Received: 5/25/90

Moisture: not dec. NA Date Analyzed: 5/31/90

CAP Dilution Factor: 1

	•	CONCEN	CONCENTRATION UNITS:					
CAS NO.	COMPOUND	, tug/L	οr	ug/Kg)	UG/KG		Q	
				ļ		I		
	Chloromethane_				10.	ĮΌ		
	Bromomethane				10.	ΙU		
	Vinyl Chloride				10.	10		
75-00-3	Chloroethane			1	10,	ΙU		
	Methylene_Chlo				5.	Įυ		
	Acetone				14.	1		
	Carbon Disulfi				5.	10		
	1, 1-Dichloroet				5.	Įυ	-	
	1, 1-Dichloroet				5.	Įυ		
	1,2-Dichloroet				5.	ļυ		
67-66-3	Chloroform			1	5.	Įυ		
107-02-2	1,2-Dichloroet	hane		i	5.	Įυ		
78-93-3	2-Butanone		<u>.</u>	1	10.	Įΰ		
71-55-6	1, 1, 1-Trichlor	oethane		<u> </u>	5.	JU		
56-23-5	Carbon Tetrach	loride		1	5.	Ţυ		
108-05-4	Vinyl Acetate_			<u>.                                     </u>	1Ò.	ĮΨ		
75-27-4	Bromodichlorom	ethane		1	5.	ΙU		
78-87-5	1,2-Dichtoropr	opane		1	5.	· [U		
1006 1-0 1-5	cis-1,3-Dichlo	ropropene		1	5.	Įυ		
79-01-6	Trichloroethen	e		1	5.	Įυ		
124-48-1	Dibromochlorom	ethane		1	5.	ΗU		
79-00-5	1, 1, 2-Trichlor	oethane		1	5.	Įυ		
	Benzene				5.	ΙU		
	trans-1,3-Dich				5.	Įυ		
75-25-2	Bromoform			1	5.	įυ		
	4-Methy1-2-pen				10.	10		
	2_Hexanone				10.	Įυ		
	Tetrachloroeth				5	Įυ		
	1,1,2,2-Tetrac				5.	Įυ		
	Toluene				5.	įυ		
	Chlorobenzene_				5.	įu		
	Ethylbenzene				5,	įυ		
	Styrene				5.	įυ		
	Xylene-total				5.	Ü		
	-			I		!		

ab Name: Weyerhaeuser

Lab Sample ID: 50474

ent Sample ID: D-2 S-2

'Request Number ID: 2759

San re Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2956

\_evel: 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/Kq) UG/KG

CAS NO.	COMPOUND (	ug/L or ug/Kg)	UG/KG	Q	_
		1	4.2	1	<u>'</u>
74-87-3	Chloromethane		10.	10	1
74-83-9	Bromomethane		10.	Įυ	
75-01-4	Vinyl Chloride		10.	10	!
1 75-00-3	Chloroethane	1	10.	Įυ	1
1 75-09-2	Methylene_Chloride	<u> </u>	5.	Įυ	•
1 67-64-1	Acetone		150.	1	
1 75-15-0	Carbon Disulfide_	ŧ	5.	10	
1 75-35-4	1, 1-Dichloroethen	e	5.	Įυ	i
1 75-34-3	1,1-Dichtoroethan	el	5.	Į U	ļ
1 540-59-0	1,2-Dichloroethen	e-totall	5.	Įυ	
1 67-66-3	Chloroform		5.	Įυ	
1 107-00-0	1,2-Dichloroethan	el	5.	Įυ	
1 78-03-3	2-Butanone	1	10.	10	
1 71 55 6	1, 1, 1-Trichloroet	hane	5.	ΙU	
1 55 03 6	Carbon Tetrachior	idel	5.	10	
1 30-23-5-4	vinyl Acetate		10.	Įυ	
1 75 07 4	Bromodichlorometh	ane	5.	ΙU	
1 75-27-4	1,2-Dichloropropa	n.e.	5.	Įυ	
1 /8-8/-5	cis-1,3-Dichlorop	ropene	5.	Įυ	
1 1006 1-0 1-5	Trichloroethene	. op on o	5.	Įυ	
1 /9-01-6	Dibromochlorometh	ane	5.	Įυ	
124-48-1		bane l	5.	ΙU	
79-00-5	1, 1, 2-Trichloroet	1	5.	įυ	
71-43-2	Benzene	00100000	5.	įυ	
1 1006 1-02-6-	trans-1,3-Dichlor	opropencr	5.	įυ	
75-25-2	Bromo form	0.00	10.	įυ	
108-10-1	4-Methy1-2-pentan	· · · · · · · · · · · · · · · · · · ·	10.	įu	
1 591-78-6	2-Hexanone		5.	បែ	
1 127-18-4	Tetrachloroethene	- cothana	5.	įυ	
1 79-34-5	1,1,2,2-Tetrachlo	1 oe (nane1	5.	ίŪ	
1 108-88-3	Toluene	!	5.	ΙŪ	
1 108-90-7	Chlorobenzene	l	5.	10	
100-41-4	Ethylbenzene		5.	ΙŬ	
1 100-42-5	Styrene		5. 5.	1 U	
133-02-7	Xylene-total		J,	, 0	

Sab Name: Weyerhaeuser Lab Sample 10: 50475

\*nt 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

\_evel: LOW Date Received: 5/25/90

% Moisture: not dec. NA Date Analyzed: 5/31/90

Column: CAP Dilution Factor: 1

		CONCENT	CONCENTRATION UNITS:		
CAS NO.	COMPOUND	(ug/L	or u₫/K₫)	UĞ/KĞ	ū
				·	1
	Chloromethane			1Ú.	(U
	Bromomethane_			10.	ΙU
75-0 1-4	Vinyl Chlorid	e	I	10.	Įυ
	Chloroethane_			10.	ΙU
75-09-2	Methylene_Chl	oride	1	5.	ΙU
67-64-1	Acetone	· · · · · · · · · · · · · · · · · · ·	1	31.	1.
75-15-0	Carbon Disulf	i dei	1	5.	Į U
75-35-4	1, 1-Dichloroe	thene		5.	ΙU
75-34-3	1, 1-Dichloroe	thane	1	5.	ΙU
	1,2-Dichloroe			5,	Į U
	Chloroform			5.	Įυ
	1,2-Dichloroe			5.	Įυ
	2-Butanone			10.	10
71-55-6	1, 1, 1-Trichlo	roethane	i	5.	10
	Carbon Tetrac			5.	ΙU
108-05-4	Vinyl Acetate		1	10.	ĮU
	Bromodichloro			5.	ΙU
78-87-5	1,2-Dichtorop	ropane	i	5.	ΙU
	cis-1,3-Dichl			5.	IU
	Trichloroethe			5.	Į U
124-48-1	Dibromochloro	methane	1	5	įυ
	1, 1, 2-Trichlo		i	5.	ĮU
	Benzene			5.	ΙU
_	trans-1,3-Dic			5.	įU
	Bromoform_			5	Ìυ
	4-Methyl-2-pe			10.	iu
	2-Hexanone			10.	įυ
	Tetrachioroet			5.	Ū
	1, 1, 2, 2-Tetra			5.	Įυ
	Toluene			5.	įυ
	Chiorobenzene			5.	įυ
	Ethylbenzene_			5.	įυ
	Styrene			5.	įυ
	Xylene-total_			5.	įυ
· · · · · · · · · · · · · · · · · · ·	,		· · · · · · · · · · · · · · · · · · ·	- <del>-</del>	i

ab Name: Weyerhaeuser

Lab Sample ID: 50477

( nt Sample 10: D-2 S-5A

Request Number 10: 2759

iak te Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0

Lab File ID: >A2959

evel: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

Jolumn: CAP

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRA (ug/L or			ō	
		·····	1		l	`
74-87-3	Chloromethane		l	10.	ΙU	
74-83-0	Bromomethane_		!	10.	Įυ	
75-01-4	Vinyl Chloric	le	1	10.	10	
75-00-3	Chloroethane_		1	10.	Įυ	
75-00-0-	Methylene_Chi	oride	1	5.	Įυ	
67-64-1	Acetone		1	110.	1	
75 15-0	Carbon Disult	ide	1	5.	U	
75-15-0	1, 1-Dichloroe	thene		5.	Įυ	
75-35-4	1, 1-Dichloroe	thane		5.	ΙU	
75-34-3	1,2-Dichloroe	thene-total	1	5.	Įυ	
540-59-0	Chloroform_		i	5.	Įυ	
6/-66-3	1,2-Dichloro	thane	i	5.	Įυ	
10/-02-2	2-Butanone		i	10.	ĮU	
78-93-3	1, 1, 1-Trichle	coethane	!	5.	լս	
71-55-6	Carbon Tetra	phloride	i	5.	Įυ	
56-23-5	Carbon letta		, !	10.	įυ	
108-05-4	vinyl Acetat	mothane	<del></del>	5.	IU	
75-27-4	Bromodichlore	one (nane		5.	Įυ	
78-87-5	1,2-Dichloro	oropane	<u>-</u> -	5.	iυ	
1006 1-0 1-5	cis-1,3-Dich		<del></del> ¦	5.	ΙŪ	
79-01-6	Trichloroeth	ene	<u> </u>	5.	ίŪ	
124-48-1	Dibromochlor	ome ( nane	<del></del> ¦	5.	ίŪ	
	1,1,2-Trichi		¦	5.	ΙŬ	
7 1-43-2	Benzene		{	5.	ĺΰ	
10061-02-6-	trans-1,3-Di	chloropropene	!	5.	IU	
75-25-2	Bromoform	· · · · · · · · · · · · · · · · · · ·	!	10.	IU	
108-10-1	4-Methyl-2-p	entanone	—— <u> </u> }	10.	IU	
591-78-6	2-Hexanone	<u> </u>		5.	Ü	
127-18-4	Tetrachioroe	thene	!		10	
79-34-5	1,1,2,2-Tetr	achioroethan	e!	5.	IU	
108-88-3	Toluene	<del></del>	!	5.	•	
108-90-7	Chlorobenzen	e		5.	U	
1 100-41-4	Ethylbenzene	<del></del>	l	5.	ĮŪ	
100-42-5	Styrene			5.	ΙU	
133-02-7	xylene-total		l	5.	Įυ	

ab Name: Weyerhaeuser

Lab Sample 10: 50478

nt Sample ID: D-2S-5B Request Number 10: 2759

ample Description: SOIL

Matrix: SOIL

ample wt/vol: 5, Ù Lab File ID: 2A2960

evel: LOW Date Received:

5/25/90

IU

I U

U IU

ΙU

U

Moisture: not dec. NA

Date Analyzed: 5/31/90

5.

5.

CAP olumn:

Ditution Factor: 1

CONCENTO ATLANTICATOR

CAS NO.	COMPOUND	(ug/L or ug/Kg)		a	)
,				1	
74-87-3	Chloromethane		10.	ΙU	
74-83-9	Bromomethane		10.	I U	
75-01-4	Vinyl Chloride_	1	10.	ΙU	
75-00-3	Chloroethane		10.	Įυ	

| 75-09-2----Methylene\_Chloride\_\_\_\_ 67-64-1-----Acetone\_ 53. 75-15-0-----Carbon Disulfide\_\_\_ 5. 75-35-4------1, 1-Dichloroethene\_\_\_\_\_ 5. 75-34-3-----1, 1-Dichloroethane\_\_\_ 5. 540-59-0----1,2-Dichtoroethene-total\_\_\_\_\_ 5.

IU | 67-66-3-----Chloroform\_ 5. 107-02-2-----1,2-Dichtoroethane\_\_\_\_\_ 5. U 10. U 78-93-3-----2-Butanone\_ 71-55-6----1,1,1-Trichloroethane\_\_\_\_\_ 5. IU

10. l U 108-05-4----Vinyl Acetate\_\_\_\_\_ 75-27-4-----Bromodichloromethane\_\_ 5. l U 5. Iυ | 78-87-5-----1,2-Dichloropropane\_\_\_ ΙÜ 1 1006 1-0 1-5-----tis-1, 3-Dichloropropene\_\_\_\_\_\_1 5.

5. Iυ | 79-01-6-----Trichloroethene\_\_ 124-48-1----Dibromochloromethane\_\_\_\_ 5. 1 U | 79-00-5-----1, 1, 2-Trichloroethane\_\_\_ 5. ΙU | 71-43-2----Benzene\_ 5. ΙU

10061-02-6----trans-1,3-Dichloropropene\_\_\_i ΙU 5. U 5. 75-25-2----Bromoform\_\_\_\_ 108-10-1----4-Methyl-2-pentanone\_\_\_\_ 1Ú. LU 10 . 1 U | 591-78-6----2-Hexanone\_\_\_\_\_

5. 10 | 127-18-4----Tetrachloroethene\_\_ | 79-34-5-----1, 1, 2, 2-Tetrachloroethane\_\_\_\_| 5. 1 U 108-88-3----Toluene\_ 5. ! U

| 108-90-7-----Chlorobenzene\_\_\_\_\_ 5. I U IU 5. | 100-41-4----Ethylbenzene\_\_\_\_ I U 100-42-5-----Styrene\_\_\_\_ 5. 133-02-7----Xylene-total\_\_\_\_\_| 10 5.

Lab Name: weyerhaeuser

ent Sample ID: D-2

Salve le Description:

Sample wt/vol:

5.0

Level: LOW

Moisture: not dec. NA

Column: CAP Matrix:

SOIL

Lab File ID:

>A2962

Date Received:

5/25/90

Date Analyzed:

5/31/90

Dilution Factor: 1

Lab Sample ID: 50480

Request Number ID: 2759

CONCENTRATION UNITS:

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

Lab Name: Weyernaeuser

Lab Sample ID: 50479

ent Sample ID: D-2 S-5C

Request Number 10: 2759

Sample Description: 501L

Matrix: SOIL

Sample wt/vol: 5.0 G

G Lab File (D: →A2961)

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/Kq) UG/KG C

			1
74-87-3	Chloromethane	10.	Įυ
	Bromomethane	10.	10
	Vinyl Chloride		10
=	Chioroethane		ΙU
	Methylene_Chloride		ĮÜ
•	Acetone		1
	Carbon Disulfide		ΙU
	1, 1-Dichloroethene		ΙU
75-34-3	1, 1-Dichloroethane	1 5.	ĮU
=	1,2-Dichloroethene-total		ĮU
	Chloroform		ĮU
	1,2-Dichloroethane		į U
	2_Butanone		1
	1, 1, 1-Trichloroethane		ĮÚ
	Carbon Tetrachloride		(U
2)	Vinyl Acetate		ΙU
?'	Bromodichloromethane	The second of th	1 U
78-87-5	1,2-Dichloropropane	5.	ΙU
10061-01-5-	cis-1,3-Dichloropropene	1 5.	U
79-01-6	Trichloroethene	ļ 5.	Įυ
124-48-1	Dibromochtoromethane	Ι 5.	Įυ
79-00-5	1, 1, 2-Trichloroethane	j 5.	Įυ
71-43-2	Benzene	1 5.	l U
10061-02-6-	trans-1,3-Dichloropropene	1 5.	Į U
75-25-2	Bromotorm	1 5.	Į U
108-10-1	4-Methyl-2-pentanone	10.	ĮŪ
	2_He xanone		- LO
127-18-4	Tetrachloroethene	Į 5.	ſυ
79-34-5	1, 1, 2, 2-Tetrachloroethane	J 5.	(U
108-88-3	Toluene	J 5.	į U
108-90-7	Chlorobenzene		ĮU
1 100-4 1-4	Ethylbenzene	J 5.	Įυ
100-42-5	Styrene		Įυ
133-02-7	Xylene-total	1 5.	ł U
l		1	_1

i ant Sample 10: D-2 S-6

Sample Description: SOIL

\$ample wt/vol: 5.0 G

Level: LOW

% Moisture: not dec. NA

Column: CAP

Lab Sample ID: 50480

Request Number 10: 2759

Matrix: SOIL

Lab File ID: >A2962

Date Received: 5/25/90

Date Analyzed: 5/31/90

Dilution Factor: 1

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

CAS NO.	COMPOUND	(nå∕r or	ug/Ką)	UG/KĞ	Ü	
			1		l	
74-87-3	Chloromethane	·	1	10.	Įυ	
74-93-0	Bromomethane_		l	10.	Įυ	
75-01-4	vinyl Chloric	1 e	!	10.	Įυ	
75-00-3	Chloroethane_		!	10.	ĮU	
75 00-2	Methylene_Ch	or i de	1	5.	ļυ	
67 64-1	Acetone			220.	ΙE	
35 15 0	Carbon Disul	lide	1	5.	Į U	
75-15-0	1, 1-Dichloro	thene		5.	10	
/5-35-4	1, 1-Dichloro	thane	1	5.	Įυ	
/5-34-3	1, 1-Dichloro	ethene-total	i	5.	Įυ	
540-59-0	Chioroform		; i	<b>5.</b>	Įυ	
67-66-3	1,2-Dichloro	ethane	i	5.	Įυ	
107-02-2	2.5.4.2.2.2.2	e (    a    c	;	39.	L	
78-93-3	2-Butanone	o c o o t h a n o	;	5.	Įυ	
71-55-6	1, 1, 1-Trichi	or de tilane	;	5.	ΙU	
56-23-5	Carbon Tetra	C1110110E	'	10.	10	
108-05-4	vinyi Acetat	e	:	5.	υi	
75-27-4	Bromodichtor	omethane	<u> </u>	5.	įŪ	
78-87-5	1,2-Dichloro	propane	¦	5.	ίŪ	
10061-01-5-	cis-1,3-Dich	loropropene	<u>-</u>	5.	Įΰ	
79-01-6	Trichloroeth	e n e	<u>-</u>	5. 5.	ΙŪ	
124-48-1	Dibromochtor	omethane	1	- •	•	
79-00-5	1, 1, 2-Tricht	oroethane	l	5.	10	
7 4 4 2 . 2	Benzene		1	5.	Įυ	
1006 1-02-6-	trans-1,3-Di	chloropropene	1	5.	{ U	
75-25-2	Bromotorm			5.	ΙU	
108-10-1	4-Methy1-2-p	entanone		10.	Įυ	
E01-78-6	2_Hexanone		1	10.	10	
127_18-4	Tetrachloroe	thene		5.	10	
70-34-5	1, 1, 2, 2-Tetr	achioroethan	e1	5.	ΙU	
100 68-3	Toluene		1	5.	ĮŪ	
100-00-3	Chlorobenzer	ne	l	5.	ΙU	
108-90-/	Ethylbenzene		f	5.	ļυ	
100-41-4	Styrene		1	5.	Įυ	
100-42-5	Xylene-tota		1	5.	Įυ	
133-02-7	xy,ene(o(a				1	

#### VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser

Lab Sample ID: 50468

/ Tent 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

CONCENTRATION UNITS:

	CAS NO. COMPOUND		ug/Kg)		ū	ļ
١			1		1	
1	74-87-3Chloromethane		1	10.	I U	1
ŧ	74-83-9Bromomethane		<u> </u>	10.	10	1
1	75-01-4		1	10.	Įυ	ĺ
l	75-00-3Chloroethane			10.	ΙU	1
1	75-09-2Methylene_Chior	i d e	1	. <b>5</b> .	ĮU	l
1	67-64-1Acetone		1	91.	1	i
1	75-15-0Carbon Disulfid	e	l	5.	Įυ	1
1	75-35-41, 1-Dichloroeth	e n e	<u> </u>	5.	ļυ	1
į	75-34-31, 1-Dichloroeth			5.	Įυ	l
1	540-59-01,2-Dichloroeth	ene-total_	{	5.	ΙU	1
1	67-66-3Chioroform			5.	10	-
1	107-02-21,2-Dichloroeth	ane	1	5.	ĮU	1
I	78-93-32-Bulanone		1	11.	i	t
į	71-55-61,1,1-Trichloro	ethane	!	5.	Įυ	1
ł	56-23-5Carbon Tetrach!			5.	ĮU	1
į	108-05-4Vinyl Acetate		1	10.	Įυ	1
1	75-27-4Bromodichtorome			5.	ΙU	1
1	78-87-51,2-Dichloropro	pane	1	5.	Į U	1
į	10061-01-5cis-1,3-Dichlor			5.	Į U	1
1	79-01-6Trichloroethene		1	5.	Įυ	1
l	124-48-1Dibromochtorome			5.	IU	1
į	79-00-51,1,2-Trichloro			5.	ΊU	- 1
1	7 1-43-2Benzene		!	5.	ΙU	1
i	10061-02-6trans-1,3-Dichl	oropropene	<u> </u>	5.	ľU	i
ł	75-25-2Bromoform		I	5.	ŢU	1
i	108-10-14-Methyl-2-pent			10.	Įυ	ł
ĺ	59 1-78-62-Hexanone			10.	Įυ	1
١	127-18-4Tetrachloroethe			5.	Įυ	
1	79-34-51, 1, 2, 2-Tetrach			5.	Įυ	1
1	108-88-3Toluene			5.	Įυ	1
į	108-90-7Chlorobenzene		1	5.	ΙU	1
1	100-41-4Ethylbenzene		t	5.	ΙU	1
ı	100-42-5Styrene		1	5.	ŧυ	1
1	133-02-7Xylene-total			5.	ΙU	.1
1_			1		_1	1

ent Sample ID: D-3 S-2

sa√ re Description: SOIL

sample wt/vol: 5.0

\_evel: LOW

Moisture: not dec. NA

CAP: CAP

Lab Sample ID: 50469

'Request Number ID: 2758

Matrix: SOIL

Lab File ID: >A2926

Date Received: 5/25/90

Date Analyzed: 5/30/90

Dilution Factor: 1.0

CONCE	ITR A	IU NOITA	NITS:
(uġ/L	οr	ug/Kg)	UG/KG

CAS NO.	COMPOUND	(uā/L or	ug/Kg)	UG/KG	Q
			i		1
74-87-3	Chloromethane		!	10.	Įυ
74-83-9	Bromomethane_			10.	(U
75-0 1-4	Vinyl Chlorid	e	l	10	ĮU
75-00-3	Chloroethane_		1	10.	ĮU
75-09-2	Methylene_Chl	oride	1	5.	ŢŪ
67-64-1	Acetone		1	160.	
75-15-0	Carbon Disulf	ide	1	5.	įυ
75-35-4	1,1-Dichloroe	thene	1	5.	U
75-34-3	1, 1-Dichloroe	thane		5.	Įυ
540-59-0	1,2-Dichloroe	thene-total_	1	5.	Įυ
67-66-3	Chloroform			5.	Įυ
107 02 3	1,2-Dichloroe	thane		5.	1 U
70 02 2	2_Butanone		1	10.	ĮU
78-93-3	1, 1, 1-Trichle	roethane		5.	ΙU
/1-55-6	Carbon Tetrac	hloride	 i	5.	ΙU
56-23-5	vinyl Acetate		i	10.	Įυ
108-05-4	Bromodichlor	ome thane	;	5,	ĮU
75-27-4	1,2-Dichloro	0.00.00.00		5.	ΙU
78-87-5		locopene	:	5.	įυ
1006 1-0 1-5-	cis-1,3-Dich	toropropene	\ 	5.	iυ
79-01-6	Trichtoroeth	ene	! i	5.	ίŪ
124-48-1	Dibromochlor	one thane		5.	ΙŪ
79-00-5	1,1,2-Trichl	огоетнане	!	5.	เบ
7 1-43-2	Benzene		!	5.	Ü
10061-02-6-	trans-1,3-Di	спіогоргорен	e!	5.	ĬŬ
75-25-2	Bromoform		<u>}</u>	10.	įυ
108-10-1	4-Me t h y I - 2-р	entanone	<u></u>	10.	ΙŪ
591-78-6	2—Нехапопе		!	5.	ίŬ
127-18-4	Tetrachloroe	thene	<del>!</del>	5.	10
79-34-5	1,1,2,2-Tetr	achloroethan	e!		•
108-88-3	Toluene		<u>!</u>	5.	[ U
108-90-7	Chlorobenzen	e	!	5.	Į U
100-41-4	Ethylbenzene		l	5.	į U
100-42-5	Styrene		1	5.	[0
133-02-7	XyÎene-total		1	5.	Į U

Lab Sample ID: 50469DL

it Sample ID: D-3 S-2

Request Number ID: 2758

ample Description: SOIL

Matrix: SOIL

Sample wt/vol: 2.5 G

Lab File ID: >A2930

evel: LÓW

Date Received: 5/25/90

4 Moisture: not dec. NA

Date Analyzed: 5/30/90

Jolumn: CAP

Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRA (ug/L or			0
			l		1
74-87-3	Chloromethane_		1	20.	ΙU
74-83-9	Bromomethane	· · · · · · · · · · · · · · · · · · ·	t	20.	ĮU
75-0 1-4	Vinyl Chloride_			20.	ΙU
75-00-3	Chloroethane			20.	Įυ
75-09-2	Methylene_Chloi	· i de	t	10.	ΙU
67-64-1	Acetone		<u> </u>	240.	1
	Carbon Disulfic			10.	Į U
75-35-4	1, 1-Dichloroeth	iene	1	10.	ĮU
75-34-3	1, 1-Dichloroeth	nane	1	10.	ΙU
540-59-0	1,2-Dichloroett	rene-total_	1	10.	Į U
67-66-3	Chloroform		1	10.	ΙU
107-02-2	1,2-Dichloroeth	nane	!	10.	ΙU
78-93-3	2-Butanone			20.	ΙU
	1, 1, 1-Trichlore			10.	ΙU
56-23-5	Carbon Tetrach	oride	I	10.	Įυ
108-05-4	Vinyl Acetate	· · · · · · · · · · · · · · · · · · ·	I	20.	Įυ
75-27-4	Bromodichlorome	thane	1	10.	ľU
78-87-5	1,2-Dichloropre	pane	1	10.	ΙU
10061-01-5	cis-1,3-Dichlor	opropene	<u> </u>	10.	ΙU
79-01-6	Trichloroethene	<u> </u>		10.	Įυ
124-48-1	Dibromochlorome	thane		10.	Įυ
	1,1,2-Trichlore			10,	Įυ
	Benzene			10.	ΙU
	trans-1,3-Dich			10.	ΙU
75-25-2	Bromoform		1	10.	Įυ
108-10-1	4-Methyl-2-pent	anone	1	20.	ΙU
591-78-6	2-Hexanone		1	20.	10
127-18-4	Tetrachloroethe	e n e	1	10.	ΙU
79-34-5	1, 1, 2, 2-Tetract	nforoethane.	1	10.	ĮU
108-88-3	Toluene		1	10.	ĮŪ
108-90-7	Chlorobenzene		1	10.	ΙU
	Ethylbenzene			10.	Įυ
	Styrene			10.	ΙU
133-02-7	xylene-total		1	10.	1 U

Lab Sample ID: 50470

( ent Sample ID: D-3 S-3 A

Request Number 1D: 2758

Sanyle Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2927

\_evel: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS: (ua/L or ua/Ka) UG/KG

O

COMPOUND	(ug/L or	nd\kdl	UG/NG	a
		ļ	10	1
				ΙU
				Įυ
Vinyl Chloride				Į U
Chloroethane		1		Įυ
Methylene_Chlorie	d e	I		Į U
Acelone	· · · · · · · · · · · · · · · · · · ·	1	<del>-</del>	ΙE
Carbon Disulfide			5.	ļU
			5.	( U
			5.	IU
1,2-Dichloroethe	ne-total	I	5.	Į U
			5.	Įυ
1 2-Dichloroetha	пе	1	5.	Įυ
2_Butanone		i	35.	1
1 1 1—Trichloroe	thane	i	5.	ΙU
Carbon Tetrachlo	ride	i	5.	Įυ
			10.	Įυ
Bromodichloromet	hane	i	5.	10
1 2_Dichloron(0)	ane	i	5.	Į U
cis-1 3-Dichloro	ргореле	; i	5.	Įυ
Trichloroethene	p. ope	i	5.	įυ
			5.	įυ
				Ìυ
				ίŪ
Benzene	500100000	<u>'</u>		įū
trans=1,3~Drciiio	1 opi openc_	<del></del> ;		Ü
Bromototm	0000			ίŪ
		<del></del> ¦		Ü
Z_Hexanone		;	<del>-</del>	įυ
etrachioloethen	or oot bane		•	Ü
1, 1, 2, 2 - 1 e traciii	orde (name_	¦	,	ίŪ
Toluene	<del></del>	<u> </u>		įυ
Chlorobenzene		¦	- •	ĮŪ
Ethylbenzene		!		Įΰ
Styrene		!		10
Xylene-total		I	э.	10
	ChloromethaneBromomethaneBromomethaneVinyl ChlorideChloroethaneAceloneCarbon Disulfide1,1-Dichloroetha1,2-Dichloroetha1,2-Dichloroetha1,1,1-TrichloroeCarbon TetrachloCarbon TetrachloVinyl AcetateBromodichloromet1,2-Dichloroprop	ChloromethaneBromomethaneBromomethane	COMPOUND  COMPOU	

Lab Sample 10: 50471

ent Sample ID: D-3 S-3

| 67-64-1----Acetone\_\_\_\_

| 75-15-0-----Carbon Disulfide\_\_\_\_\_

'Request Number ID: 2758

>A2928

I E

ΙU

230.

5.

Sample Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID:

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 UN (ug/L or ug/Kg)		Q	
1				1 -010-	1	
i	74-87-3	Chloromethane_	I.	10.	1 U	
i	74-83-9	Bromomethane	1	10.	Įυ	
,		Vinyl Chloride		10.	Į U	
•	,	Chloroethane		10,	ĮU	
•		Methylene_Chlo		5.	Į۷	

75-35-41, 1-Dichloroethene		10
75-34-31, 1-Dichloroethane	1 5.	10
540-69-01,2-Dichloroethene-tota	ll 5.	ĮU
67-66-3Chloroform		ĮU
107-02-21,2-Dichloroethane		10
78-93-32-Butanone		1

7 1-55-61, 1, 1-Trichloroethane1	5,	Įυ
56-23-5Carbon Tetrachloride	5,	Įυ
108-05-4Vinyl Acetate	10.	Įυ
75-27-4Bromodichloromethane	5.	l U
70 07 5	5.	10

70-07-3		
10061-01-5cis-1,3-DichloropropeneI	5.	ļυ
79-01-6	5.	ĵυ
124-48-1Dibromochloromethane	5.	10
79-00-51.1.2-Trichlorgethane	5.	Įυ

75 00 0	_		
7 1-43-2Benzene	5.	10	
1006 1-02-6trans-1, 3-Dichloropropene	5.	Įυ	
75-25-2Bromoform	5 🚛	Įυ	
108-10-1	10.	Įυ	
591-78-6l	10.	Įυ	

127-18-4	5.	Įυ
79-34-51, 1, 2, 2-Tetrachloroethane!	5.	Įυ
108-88-3Toluene	5.	Įυ
100 do 7Chlorobenzene	5.	10

108-90-7ChlorobenzeneI	3	• '	
100-41-4Ethylbenzene	5		U
100-42-5Styrene	5	. i	U
122 02 7	5	. 1	U

Lab Sample ID: 50472

ont Sample ID: D-3 S-4

·Request Number ID: 2758

a√ e Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

Lab File ID: >A2929

Date Received: 5/25/90

,evel: LOW

Moisture: not dec. NA

Date Analyzed: 5/30/90

Solumn: CAP

Dilution Factor: 1.0

	•	CONCENTR			27.
CAS NO.	COMPOUND	(uã∕r or	ug/Kg)	UG/KG	ů.
<del></del>	***************************************		l		Į.
74-87-3	Chloromethane	·	l	10.	Į U
74-83-9	Bromomethane_		١	10.	Įυ
	Vinyt Chloric			10.	Įυ
	Chioroethane_			10.	Įυ
	Methylene_Chi			5.	ΙU
	Ace t one			80.	1
75-15-0	Carbon Disul	i de	1	5.	Įυ
75-35-4	1, 1-Dichloro	thene	1	5.	l U
75-34-3	1, 1-Dichloro	thane		5.	Įυ
540-59-0	1,2_Dichloro	thene-total_	1	5.	ΙU
	Chloroform			5.	Įυ
107-02-2	1,2-Dichloro	thane	i	5.	Įυ
70 02 3	2-Butanone			21.	1
78-93-3	1, 1, 1-Trichle	oroethane	i	5.	Įυ
/1-55-6	Carbon Tetra	chloride	i	5.	Įυ
	Vinyl Acetat			10.	∦ U
108-05-4	Bromodichlor	ome thane	;	5.	Įυ
75-27-4	1,2-Dichlere	DIADADA	i	5.	įυ
/8-8/-5	t,2_b;en1010 cis_1,3_Dich		· · · · · · · · · · · · · · · · · · ·	5.	ΙU
	Trichloroeth			5.	i U
	Dibromochlor			5.	įυ
				5.	įυ
79-00-5	1,1,2-Trichl	0108(114116	¦	5.	ίŪ
7 1-43-2	Benzene	- h l o r o o r o o o o	¦	5.	iū
10061-02-6-	trans-1,3-Di	cutotobiohem		5.	ίΰ
	Bromoform			10.	10
	4-Methy1-2-p			10.	ίΰ
591-78-6	2-Hexanone			5.	įυ
127-18-4	Tetrachioroe	tnene	{	5.	ĺΰ
79-34-5	1, 1, 2, 2-Tetr	achioroethan	e ¦	5.	įυ
108-88-3	Toluene			- •	10
	Chlorobenzen			5.	• -
100-4 1-4	Ethylbenzene		!	5.	Įυ
100-42-5	Styrene		!	5.	l U
133-02-7	Xylene-total			5.	Įυ

Lab Sample ID: vBLKS1

fent Sample ID: NA

Request Number 10: 2758

Sample Description: METHOD BLANK

Matrix: SOIL

Sample wt/vol: 5.0

Lab File ID: 2A2924

Level: LOW

Date Received: NA

% Moisture: not dec. NA

Date Analyzed: 5/30/90

Column: CAP

Ditution Factor: 1.0

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	ug∕L or ug/Kg∶	UG/KG	Q	)
ŀ	<del> </del>		l l	······································	i	i
1	74-87-3	Chloromethane		10.	10	I
Ĺ	74-63-9	Bromomethane		10.	Įυ	ŧ
i	75-0 1-4	Vinyl Chloride		10.	Įυ	- 1
ı	75-00-3	Chloroethane		1Ú.	Įυ	1
İ	75-09-2	Methylene_Chloride	· · · · · · · · · · · · · · · · · · ·	5.	ΙU	ı
i		Acetone		10.	1 U	į
ì	75-15-0	Carbon Disulfide	<u> </u>	5	10	ŧ
ì	75-35-4	1, 1-Dichloroethene	· · · · · · · · · · · · · · · · · · ·	5.	Įυ	i
i	75-34-3	1, 1-Dichloroethane		5.	10	ţ
i		1,2-Dichtoroethene		5.	Įυ	1
i		_	1	5.	Įυ	- 1
i	107-02-2	1,2-Dichloroethane	<u> </u>	5.	Įυ	- 1
i	78-93-3	2_Butanone		10.	Į U	- 1
i	7 1-55-6	1, 1, 1—Trichloroeth	ane	5.	Įυ	i
i		Carbon Tetrachlori		5.	ΙU	1
i		vinvl Acetate		1Ú.	LU	
i		Bromodichlorometha		5.	Įυ	1
ì	78-87-5	1,2-Dichloropropan	e	5.	Į U	į
i	·	cis-1,3-Dichloropr		5.	10	i
Ĺ	79-01-6	Trichloroethene		5.	Į U	1
ì		Dibromochtorometha		5.	ļυ	1
i	79-00-5	1, 1, 2-Trichloroeth	ane	5.	Įυ	
i	71-43-2	Benzene	1	5 .	Įυ	
i	10061-02-6-	trans-1,3-Dichloro	propenel	5,	Įυ	
i	75-25-2	Bromoform		5.	Įυ	1
ì	108-10-1	4-Methyl-2-pentano	n e	10.	Įυ	
i		2-Hexanone		10.	ĮU	+
i	127-18-4	Tetrachloroethene_	1	5.	Įυ	
Ì	79-34-5	1, 1, 2, 2-Tetrachior	oethane	5.	IU	-
i	108-88-3	Toluene		5,	{ U	i
i	108-90-7	Chiorobenzene	l	5.	Įυ	
İ		Ethylbenzene		5.	Įυ	
i		Styrene		5.	IU	
i	——————————————————————————————————————	Xylene-total		5,	Įυ	

Lab Sample ID: 50497

Mient Sample ID: D4E S-1

Request Number ID: 2763

te Description: SOIL

Matrix: SOIL

Sample wt/vol: 5.0 G

G Lab File ID: >A2970 '

\_evel: LOW

Date Received: 5/25/90

....

% Moisture: not dec. NA

Date Analyzed: 6/01/90

CAP

Dilution Factor: 1.0

CONCENTRATION UNITS: [ug/L or ug/Kq) UG/KG

CAS NO.	COMPOUND	(ug/L or u	g/Kg) UG/KG	Q
· · · · · · · · · · · · · · · · · · ·			!	1
	Chloromethane		_[ 10.	Įυ
	Bromomethane_		_  10.	Įυ
	Vinyl Chloric			10
	Chloroethane_			Įυ
	Methylene_Ch			Įυ
	Acetone			
	Carbon Disult			Įυ
75-35-4	1,1-Dichloroe	thene	5.	Įυ
75-34-3	1, 1-Dichloroe	ethane		Įυ
540-59-0	1,2-Dichloro	ethene-total		Įυ
67-66-3	Chloroform		_! 5.	Įυ
107-02-2	- <del></del> 1,2-Dichloroe	ethane	_  5.	Įυ
78-93-3	2_Butanone		_  10.	Įυ
71-55-6	1,1,1-Trichle	oroethane	_  5.	Įυ
	Carbon Tetra			10
108-05-4	Vinyl Acetate	9	10.	ĮU
	Bromodichlor			ŢU
The state of the s	1, 2-Dichloro			Įυ
	cis_1,3_Dich	•		U
	Trichloroeth			ΙU
	Dibromochlor			Įυ
· <del>-</del>	1, 1, 2-Trichle			Įυ
	βenzene		_	Įυ
	trans-1,3-Di			ΙU
	Bromoform			ΙU
	4-Methyl-2-p			įυ
	2-Hexanone			ĺυ
127-18-4	Tetrachloroe	thene		İU
	1,1,2,2-Tetr			įυ
	Toluene			ĺυ
	Chlorobenzen			įυ
	Ethylbenzene		<del></del> '	ΙŪ
	Styrene		<del></del>	Ü
	Xylene-total		<del></del> '	Ü
133-02-7	xyrene-total		_;	1

Lab Sample ID: 50499

lient Sample ID: D4E S-4

Request Number ID: 2763

ار...غاe Description: SOIL

Matrix: SOIL

sample wt/vol: 5.0 G

Lab File ID: >A2965 '

evel: LOW

Date Received: 5/25/90

% Moisture: not dec. NA

Date Analyzed: 5/31/90

olumn: CAP

Dilution Factor: 1.0

CONCE	ITRA	NOTE	U١	IITS:
(ug/L	or	ug/Kg	J)	UG/KG

	CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	Q	
, - 	·				•••••	1	_;
ı	74-87-3	Chloromethane		1	10.	ĮU	1
1	74-83-9	Bromomethane_		I	10.	U	1
1	75-01-4	Vinyl Chlorid	e	l	10.	ប្រ	Į
ĺ		Chloroethane_			10.	Įυ	- 1
1	75-09-2	Methylene_Chi	oride	1	7.	1	- 1
ĺ	67-64-1	Acetone		1	11.	1	1
i		Carbon Disulf			5.	ľŪ	- 1
i		1, 1-Dichloroe			5.	l U	l
i					5.	Įυ	ł
ì		1,2-Dichloroe			5.	l U	- 1
ì		Chloroform			5.	JU	- 1
i		1.2-Dichloroe			5.	10	ŧ
i	. –	2-Butanone			10.	ŢU	i
i		1,1,1-Trichlo			5.	ľU	1
i		Carbon Tetrac			5.	Įΰ	I
i		vinyl Acetate			10.	Įυ	- 1
ì		Bromodichloro			5.	ĮŲ	1
ì		1,2-Dichlorop			5.	Įυ	:
ì		cis-1,3-Dichi			5.	l U	ĺ
į		Trichloroethe			5.	Įυ	ł
i		Dibromochtoro			5.	ΙU	i
i	79-00-5	1, 1, 2-Trichlo	roethane	1	5.	1 U	1
ì		Benzene			5.	Įυ	į
i	10061-02-6	trans-1,3-Dic	hloropropene	·1	5.	Įυ	1
i		Bromoform			5.	ΙÜ	ı
i		4-Methyl-2-pe			10.	Įυ	I
i		2-Hexanone			10.	I U	. 1
i	127-18-4	Tetrachloroet	.hene	1	5.	Įυ	1
i	79-34-5	1, 1, 2, 2-Tetra	chloroethane	1	5.	Įυ	1
ì		Toluene			5.	Įυ	
i	108-90-7	Chlorobenzene	· · · · · · · · · · · · · · · · · · ·	l	5.	Įυ	ļ
i	100-4 1-4	Ethylbenzene_		1	5.	10	١
İ		Styrene			5.	ÌU	1
ĺ		Xyĺene-totat_		4	5.	Įυ	1
i			·	I	<u></u> .		!

Lab Sample ID: 50501

ant Sample ID: D4E S-6A

Request Number ID: 2763

and e Description: SOIL

Matrix: SOIL

ample wt/vol: 5.0 G

Lab File ID: >A2966

evel: LOW

Date Received: 5/25/90

Moisture: not dec. NA

Date Analyzed: 5/31/90

olumn: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS: fua/L or ua/Ka) UG/KG

omethane methane Chloride oethane lene_Chloride	10.   10.   10.	   U   U   U
methaneChloride oethane lene_Chloride	1 10. 10.	U
Chlorideoethane lene_Chloride	10.	U
oethane lene_Chloride	i 10.	<u> </u>
lene_Chloride	<del></del> ,	10
		1
	<del></del>	ļ.
ne	<del></del>	
n Disulfide	1 4.	IJ
	<del></del> '	Įυ
ichloroethane	1 5.	Įυ
	1 5.	Įυ
	1 5.	Įυ
		10
anone	l 18.	1
1-Trichloroethane	1 5.	Įυ
n Tetrachloride	1 5,	ΙU
		Įυ
		ĮU
		Įυ
		ĮŪ
		įυ
omo ch Lo come thane	i 5.	įυ
	<del></del>	Íυ
	<del></del> ,	iυ
o 1 3-Dichloropropen	<del></del> '	įυ
of orm	<u> </u>	ίŪ
thyl 2-pentanone	i	iŭ
ny 1-2-pen tanone		ίū
a a b Lor cot bene	<del></del> '	iυ
	<del></del> •	iυ
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ene	<del></del> •	10
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	t	ίŪ
ne-totai		1
	one	130

## VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser Lab Sample ID: 50501RE

Client Sample ID: 04E S-6A Request Number ID: 2763

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

CAS NO.	COMPOUND	(ug/L	Οľ	ug/Kg)	Odyka	Q
,				l	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1
74-87-3	Chloromethane			1	10	ĮŪ
74-83-9	Bromomethane				10.	Įυ
75-01-4	Vinyl Chloride			l	10.	į U
	Chloroethane				10.	10
75-09-2	MethyleneChlori	d e		1	4.	IJ
67-64-1	Acetone	· · · · · · · · · · · · · · · · · · ·		1	230.	1 E
75-15-0	Carbon Disulfide				з.	1 J
75-35-4	1, 1-Dichloroethe	n e			5.	ΙU
75-34-3	1, 1-Dichloroetha	n e	<u> </u>	1	5.	ĮU
540-59-0	1,2-Dichloroethe	ne-tota	H	I	5.	ΙU
67-66-3	Chloroform_ 1,2-Dichloroetha	<del></del>		1	5.	ţU
107-02-2	1,2-Dichloroetha	пе		1	· 5.	IU
78-93-3	2-Butanone			1	10.	ĮU
71-55-6	1, 1, 1-Trichloroe	thane		i	5.	Įυ
56-23-5	Carbon Tetrachlo	ride		4	5.	Įυ
108-05-4	Vinyl Acetate			1	10.	Į U
75-27-4 <del></del> -	Bromodichtoromet	hane		t	5.	ĮÜ
78-87-5	1,2-Dichloroprop	ane		I	5.	Įυ
10061-01-5	cis-1,3-Dichloro	propene		1	5.	ĮU
79-01-6	Trichloroethene_	· · ·		1	5.	Įυ
124-48-1	Dibromochloromet	hane		1	5 .	ΙU
79-00-5	1, 1, 2-Trichloroe	thane		1	5.	ΙU
71-43-2	Benzene			1	5.	į U
	trans-1,3-Dichlo				5.	Įυ
	Bromoform				5.	U
108-10-1	4-Methy I - 2-репtа	попе		1	10.	ĮU
	2-Hexanone				10.	įυ
	Tetrachloroethen				5.	U
	1, 1, 2, 2-Tetrachl				5.	įυ
108-88-3	Toluene			i	5.	Įυ
	Chlorobenzene				5.	įυ
	Ethylbenzene				5.	ΙU
100-42-5	Styrene			i	5.	įυ
133-02-7	Xyíene-total			i	5.	Ü
	•			· · ·	-	<u>.</u>

Lab Sample ID: 50503

"ient Sample ID: D5 S-1

.Request Number ID:

'e Description: SOIL

5.0

G

SOIL Matrix:

Sample wt/vol:

Lab File 1D:

>A2967

i a

Date Received:

5/25/90

\_evel: LOW

5/31/90

% Moisture: not dec. NA

Date Analyzed:

Q

column: CAP Dilution Factor: 1.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG COMPOUND CAS NO. 10. IU 74-87-3-----Chioromethane\_\_\_\_ 10. IU | 74-83-9----Bromomethane\_\_\_\_\_| 10. ΙU 1 75-01-4-----Vinyl Chloride\_\_\_ IU 10. | 75-00-3-----Chloroethane\_\_\_\_ 10 5. 75-09-2----Methylene\_Chloride\_\_\_\_ 73. 1 1 67-64-1-----Acetone\_ 10 5. | 75-15-0----Carbon Disulfide\_\_ Į U 5. 75-35-4----1, 1-Dichloroethene\_\_ 5. ΙU IU | 540-59-0----1,2-Dichloroethene-total\_\_\_ 5. 5. 1 U 1 67-66-3-----Chloroform\_\_ U 5. 107-02-2----1,2-Dichloroethane\_\_ ΙU 10. 78-93-3----2-Butanone\_ 5. ΙU | 71-55-6----1, 1, 1-Trichloroethane\_\_\_\_\_| U 5. 56-23-6-----Carbon Tetrachloride 10. 10 108-05-4-----Vinyl Acetate\_ IU 5. 75-27-4----Bromodichloromethane\_\_\_ ΙU | 78-87-5-----1,2-Dichloropropane\_\_\_\_\_ 5. Įυ 1006 1-0 1-5----cis-1,3-Dichloropropene\_\_\_ 5. 5. 1 U 79-01-6----Trichloroethene\_\_ Į U 5. 124-48-1---Dibromochtoromethane\_\_\_\_i ΙU 5. | 79-00-5-----1, 1, 2-Trichloroethane\_\_\_\_\_\_ ΙU 5. 71-43-2----Benzene\_ IU 10061-02-6----trans-1,3-Dichtoropropene\_\_\_l 5. IU 5. | 75-25-2----Bromoform\_\_ 108-10-1----4-Methyl-2-pentanone\_\_\_\_ 10. ΙU 10. ΙU | 591-78-6----2-Hexanone\_\_ 127-18-4----Tetrachloroethene\_\_\_\_ IU 5. U 5. 1 79-34-5----1, 1, 2, 2-Tetrachloroethane\_\_\_! ΙU 5. 108-88-3----Toluene\_ l U 5. 108-90-7-----Chlorobenzene\_\_\_ 1 U 5. 100-4 1-4----Ethylbenzene\_\_\_\_ ΙU 5. 100-42-5-----Styrene\_\_\_\_ Įυ 133-02-7-----Xylene-total\_\_\_\_\_

\_ab Name: Weyernaeuser Lab Sample ID: 50504

Mient Sample ID: D5 S-2 Request Number ID: 2763

Sample Description: SOIL Matrix: SOIL

Sample wt/vol: 5.0 G Lab File ID: >A2968 1

\_evel: LOW Date Received: 5/25/90

% Moisture: not dec. NA Date Analyzed: 6/01/90

Column: CAP Dilution Factor: 1.0

		CONCEN	TRA	ATION U	NITS:	
CAS NO.	COMPOUND	(ug/L	ο ι	ug/Kg)	UG/KG	Q
				. 1		
74-87-3	Chloromethane			1	10.	Įυ
	Bromomethane				10.	Įυ
75-01-4	Vinyl Chloride			l	10.	l U
	Chloroethane				10.	ΙU
	Methylene_Chlor				8.	1
67-64-1	Acetone			1	63.	1
75-15-0	Carbon Disulfid	e		1	5.	I U
75-35-4	1,1-Dichloroeth	e n e		1	5.	Įυ
75-34-3	1, 1-Dichloroeth	ane		1	5.	Įυ
540-59-0	1,2-Dichloroeth	ene-tota	1_	1	5.	Įυ
67-66-3	Chloroform			1	5.	ΙU
107-02-2	1,2-Dichtoroeth	апе		1	5.	ŧυ
78-93-3	2-Butanone			i	10.	Įυ
	1,1,1-Trichloro				5.	ΙU
	Carbon Tetrachl				5.	U
	Vinyl Acetate				10.	iυ
	Bromodichlorome				5.	ίŪ
	1,2-Dichloropro				5.	Ìυ
	cis-1,3-Dichlor				5.	ίυ
	Trichloroethene				5.	iu
	Dibromoch Lorome				5.	ίŪ
	1, 1, 2-Trichloro				5.	iΰ
	Benzene				5.	ίŪ
	trans-1,3-Dichl				5.	iŭ
	Bromo form				5.	iΰ
	4-Methyl-2-pent				10.	ίŬ
	2-Hexanone				10.	ίŬ
	Tetrachloroethe				5.	Ìυ
	1, 1, 2, 2—Tetrach				5.	iu .
	Toluene				5.	iu
	Chlorobenzene				5.	iŭ
	Ethylbenzene				5.	iŭ
	Styrene				5.	ίŬ
	Xylene-total				5.	iŭ
133-02-7	xy rene-total			<del>!</del>	٠.	10

Lab Name: Weyerhaeuser Lab Sample ID: 50504RE

rient Sample ID: D5 S-2 Request Number ID: 2763

ple 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

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or	ug/Kg) UG/KG	Q
		<del></del>		ļ.
	Chloromethane			Įυ
	Bromomethane_			Į U
	Vinyl Chlorid			(U
	Chloroethane_			IU
	Me t hy I e n e Ch I =			IU
	Acetone			l .
	Carbon Disulf			ĮŪ
	1, 1-Dichloroe			ĮU
75-34-3	1, 1-Dichloroe	thane		Įυ
540-59-0	1,2-Dichloroe	thene-total_		Įυ
67-66-3	Chloroform			Į U
1 107-02-2	1,2-Dichloroe	thane	I 5.	ĮŪ
	2-Butanone		[ 10.	Įυ
71-55-6- <del></del> -	1,1,1-Trichlo	roethane	1 5.	١U
	Carbon Tetrac			ΙU
108-05-4	Vinyl Acetate		10.	Ţυ
1 75-27-4	Bromodichloro	methane	[ 5.	ĮU
78-87-5	1,2-Dichlorop	ropane	l 5.	Įυ
10061-01-5	cis-1,3-Dicht	oropropene	1 5.	Įυ
	Trichloroethe			Įυ
	Dibromochloro			ļυ
	1, 1, 2-Trichlo			ĮU
	Benzene			ΙU
1 10061-02-6-	trans-1,3-Dic	hloropropene	1 5.	<b>∤</b> ∪
	Bromoform			ļυ
	4_Methyl-2-pe			Įυ
	2-Hexanone			Įυ
	Tetrachioroet			Įυ
	1, 1, 2, 2-Tetra			Į U
	Toluene			Į U
	Chlorobenzene			Įυ
	Ethylbenzene_			ĮΨ
	Styrene			Įυ
	Xylene-total_			Į U
, .5 <b>5</b> 52 7	,,, , ,			1

Lab Sample ID: 50506

tient Sample ID: D5 S-7

Request Number 1D: 2763

ample Description: SOIL

Matrix: SOIL

ample wt/vol: 5.0

Lab File ID: >A2969 '

evel: LOW

Date Received: 5/25/90

Moisture: not dec. NA

Date Analyzed: 6/01/90

olumn: CAP

Dilution Factor: 1.0

CONCENTRATION UNITS:

CA	S NO. COMPO	DUND	(ug/L	or n	g/Kg)	UG/KG	(	Q
1	,				l			····
74	-87-3Chlor	omethane				10.	Įυ	
74	-83-9Bromo	methane			1	10.	ΙU	
75	-0 1-4Viny I	Chloride			<u>l</u>	10.	· [U	
75	-00-3Chlor	oethane	·		i	10.	ΙU	
75	-09-2 <del></del> Methy	lene_Chlori	i d <b>e</b>		i	4.	۱J	
	–64– 1Ace to					160.	}	
75	- 15-0Carbo	n Disulfide	<b>∍</b> _		1	5.	Įυ	
75	-35-41, 1-E	ichloroethe	e n e		1	5.	10	
	-34-31, 1-E					5.	IU	
	0-59-01,2-6					5.	ĮU	
	-66-3Chlor					5.	Įυ	
	7-02-21,2-6					5.	-   U	
	_93_3					29.	1	
	-55-61,1,°					5.	Įυ	
	-23-5Carbo					5.	ΙU	
						10.	Įυ	
75	8-05-4Viny -27-4Bromo	dichlorome	thane		1	5.	IU	
	-87-51,2-0					5.	Įυ	
	06 1-0 1-5c is-					5.	ĮU	
	-01-6Tricl					5.	ΙU	
	4-48-1Dibro					5.	Į U	
	-00-51,1,2					5.	ΙU	
	-43-2Benz				1	5.	10	
	061-02-6trans		огоргоре	епе	i	5.	Įυ	
	-25-2Bromo					5.	Įυ	
	8-10-14-Me					10.	ĮU	
	1-78-62-He					10.	Įυ	
1 12	7-18-4Tetra	achloroethe	n e			5.	ĮU	
•	-34-51,1,					5.	ĮU	
•	8-88-3Tolue	•			1	5.	l U	
	8-90-7Chlo					5.	10	
•	0-41-4Ethy					5.	Įυ	
•	0-42-5Styre					5.	10	
	3-02-7Xyle					5.	Įυ	
i	- · <b>,</b> · · · ·				!			

Lab Sample ID: 50506DL

rient Sample ID: D5 S-7

. Request Number ID: 2763

( ple Description: SOIL

Matrix: SOIL

Sample wt/vol: 1.0 G

G Lab File ID: >A3097

Level: LOW

Date Received: 5/25/90

. . .

Date Analyzed: 6/06/90

% Moisture: not dec. NA

Column: CAP

Dilution Factor: 5.0

CA	S	NO.	COMPOUND			ATION UI ug/Kg)		C	5
		<del></del>				<u> </u>		1	
7.4	เ_я	7-3	Chloromethane			i	50.	ĮU	
-	-		Bromomethane				50.	ΙU	
-			Vinyl Chloride_				50.	ΙU	
			Chloroethane				50.	ĮU	
	-		Methylene_Chlor				25.	Įυ	
		-	Acetone				260.	1	
			Carbon Disulfid				25.	Į U	
			1, 1-Dichloroeth				25.	ĮΌ	
			1, 1-Dichloroeth				25.	Įυ	
			1,2-Dichloroeth				25.	ΙU	
			Chloroform				25.	U	
			1,2-Dichloroeth				25.	ΙU	
			2-Butanone				50.	Įυ	
			1, 1, 1-Trichioro				25.	Įυ	
			Carbon Tetrachl				25.	Įυ	
	_		Vinyl Acetate				50.	ĮU	
			Bromodichlorome				25.	Įυ	
			1,2-Dichloropro				25.	Įυ	
			cis-1,3-Dichlor				25.	Įυ	
			Trichloroethene				25.	l U	
			Dibromochlorome				25.	ĮU	
			1, 1, 2-Trichlord				25.	Įυ	
							25.	ΙU	
			trans-1,3-Dichi	0100100	ene	i	25.	Įυ	
			Bromoform				25.	Įυ	
			4_Methyl-2-pent				50.	Įυ	
			2_Hexanone				50.	Įυ	
			Tetrachloroethe				25.	Įυ	
			1,1,2,2-Tetract				25.	ĮU	
			Toluene				25.	Įυ	
			Chlorobenzene_				25.	Įυ	
			Ethylbenzene				25.	Įυ	
			Styrene				25.	Įυ	
			Xylene-total				25.	ļU	
t	J J .	-04-/	A, . c					1	

Lab Sample ID: VBLKS1

- 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

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

CAS NO.	COMPOUND (Ug/L of	ug/kg) UG/k	G	Q
74 07 0		1		[
74-87-3	Chloromethane	! !		IU
74-83-9	Bromomethane	! 1		1 U
75-01-4	Vinyl Chloride	l 1		[U
75-00-3	Chloroethane	1		IU
75-09-2	Methylene_Chloride			IU
67-64-1	Acetone Carbon Disulfide	1 1		ΙU
75-15-0	Carbon Disulfide	1		Įυ
75-35-4	1,1-Dichloroethene	I	5.	IU
7.5-34-3	1,1-Dichtoroethane	1	5.	[U
540-59-0	1,2-Dichloroethene-total_	1	5.	ĮÚ
67-66-3	Chloroform	1	5.	ĮU
107-02-2	1,2-Dichtoroethane	1	5.	l U
78-93-3	2-Butanone	1 1	0.	U
7 1-55-6	1,1,1-Trichloroethane	1	5.	Įυ
56-23-5	Carbon Tetrachloride	1	5.	Ţυ
108-05-4	Vinyl Acetate	1 1	0.	U
75-27-4	Bromodichloromethane	1	<b>6.</b>	ĮŪ
78-87-5	1,2-Dichtoropropane	<u>·</u>	5.	Į U
10061-01-5-	cis-1,3-Dichtoropropene	<u>1</u>	5.	IU
79-01-6	Trichloroethene		5.	ΙU
124-48-1	Dibromochloromethane	1	5.	Į U
79-00-5	1,1,2-Trichloroethane			IU
71-43-2	Benzene		5.	U
1006 1-02-6-	trans-1,3-Dichloropropene_		5.	I U
75-25-2	Bromoform	1	5.	įυ
108-10-1	4-Methyl-2-pentanone		ο,	ľU
	2-He халопе <u></u>		ο.	įυ
127-18-4	Tetrachloroethene			įυ
79-34-5	1,1,2,2-Tetrachloroethane_			įυ
108-88-3	Toluene			Ü
108-90-7	Chlorobenzene	·		ĪŪ
100-41-4	Ethylbenzene	i		ĪŪ
100-42-5	Styrene	; i		ĺŪ
133-02-7	Xylene-total	i		ĺŪ
				i

Lab Sample ID: VBLKS2

Strent Sample ID: NA

. Request Number ID: 2763

S THE 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

Q

Column: CAP

Ditution Factor: 1.0

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

CAS NO.	COM, COND (13)	<u> </u>		
		10.	!   U	
74-87-3	Chioromethane	10.	ĬŬ	
74-83-9	Bromomethane	10.	įΰ	
75-0 1-4	Vinyl Chloride		10	
75-00-3	Chioroethane	10.	1 U	
75-09-2	Methylene_Chloride	5.		
67-64-1	Acetone	10.	Įυ	
75-15-0	Carbon Disulfidel	5.	IU	
75-35-4	1.1-Dichloroethene	5.	ĮU	
75-34-3	l.1-Dichloroethanel	5.	ĮŪ	
540-59-0	l,2-Dichloroethene-totall	5.	ΙU	
67-66-3	Chioroformi	5.	Įυ	
107-02-2	1,2-Dichloroethane	5.	ĮΨ	
79-93-3	2-Butanone	10.	U	
71-55-6	1, 1, 1-Trichloroethane	5.	10	
F = -22 - 5	Carbon Tetrachloride	5.	Įυ	
100 06-4	Vinyl Acetate	10.	Įυ	
76 27 4	Bromodichloromethane!	5.	Įυ	
70 07 5	1,2-Dichloropropane	5.	Įυ	
10061 01 6-	cis-1,3-Dichloropropene	5.	Įυ	
1006 1-0 1-5-	Trichtoroethene	5.	Įυ	
/9-01-6	Dibromochloromethane	5.	ΙU	
124-48-1	1, 1, 2-Trichloroethane	5.	ĮU	
79-00-5	Benzene	5.	Įυ	
71-43-2	trans-1,3-Dichloropropene	5.	Į U	
10061-02-6-	Bromoform	5.	Įυ	
75-25-2	Bromorotii	10.	U	
108-10-1	4-Methyl-2-pentanonel	10.	ĮŲ	
591-78-6	2-Hexanone	5.	ĮU	
127-18-4	Tetrachloroethene	5.	ĺυ	
79-34-5	1, 1, 2, 2-Tetrachloroethane1	5.	įU	
108-88-3	Toluene	5.	įυ	
108-90-7	Chlorobenzene	5.	įυ	
100-41-4	Ethylbenzene	5.	ίΰ	
100-42-5	Styrene	5.	ĮŪ	
133-02-7	Xylene-total	٠.	1 ~	

#### VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Weyerhaeuser Lab Sample ID: VBLKS3

rient 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		ITRATION or ug/Kg		Q
   74-87-3Chioromet	bana		10.	1
74-83-9Bromome th	nane		10.	10
75-01-4Vinyl Chi	orido		10.	10
75-00-3Chloroeth	200		10.	10
75-09-2	Chlorida		5.	ŀU
67-64-1Acetone			13.	l
75-15-0Carbon Di	culfido	J	5.	i IU
75-35-41, 1-Dichi			5.	U
75-33-4			5.	10
· · · · · · · · · · · · · · · · · · ·			5.	10
540-59-01,2-Dichi			5.	10
67-66-3Chlorofor   107-02-21,2-Dichl			5.	10
			10.	IU
78-93-32-Butanor   71-55-61, 1, 1-Tri	e		5.	10
			5.	• -
56-23-5Carbon Te	A-Ac		10.	I U
1 108-05-4Vinyl Ace	tate		• • •	:
75-27-4Bromodict			5.	j U
78-87-51,2-Dich	oropropane	!	5.	[0
1 1006 1-0 1-5c i s-1,3-E			5.	U
79-01-6Trichlord			5.	Į.U
124-48-1Dibromoch			5.	•
79-00-51,1,2-Tri	chloroethane	!	5.	Į U
71-43-2Benzene			5.	ĮŪ
10061-02-6trans-1,3			5.	ĮŪ
75-25-2Bromoform			5.	ĮŪ
108-10-14-Methy1-			10.	Įυ
591-78-62-Hexanor	i e		10,	ĮU
`127-18-4Tetrachle			5.	IU
1 79-34-51,1,2,2-7			5.	ΙU
108-88-3Toluene_			5.	1 U
108-90-7Chlorober			5.	Įυ
100-41-4Ethylbenz	ene		5.	Į U
1 100-42-5Styrene	<del> </del>	1	5.	Įυ
1 133-02-7Xylene-to	tal	l	5.	ļU
1				_

Weyerhaeuser ANALYTICAL LABOR Research and Development Title: ABERDEEN P-1 CLEANUP S	<del></del>	Request Number: 03175
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	Te lephone: 6513
Reviewed By: CATALANO, Dennis	Location: 2F 25	Te lephone: 924-6242

Sample Description and History:

COPY TO: JOHN GROSS WWC 2H2 S KENDALL CH 2J28

Group Se	eries	Test Code	Test Descripti	on			
<del></del>			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  $\surd$  D CLPHEN-W Chlorophenolics on waters by GC/EC \*\* PENTA ONLY ON TCLP EXTRACT \*\*

3 UC TCLP-EM TCLP (Extraction and metals - Ag, As, Ba, Cd, Cr, Pb, Se, Hg) TO INCL CU

ろ 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

A = POSSIBLE DISH BIOASSAY

Interim Report Desired?	Hazardous Samples? Yes		Ю		
Reference:					Record Book:
Results Approved:		Date:		Signature applies to attached pages	Page Number:

Printed on: 07/16/90

Page: 01

92370345



## Weyerhaeuser

Oate 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 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

Kathanf a. O.

Date 7/20/90

Page 2

R # Date	
Analyst	

3175, 7/20/90 K.Orr Soils

Sample # Client ID	53023 WEY-ABC-2 7-15 .740A	53024 WEY-AB- SBU-13 7-15 217P	53025 WEY-AB- GUN-14 7-15 230P	53026 WEY-AB- GUAE-15 7-15 230P	53027 WEY-A8- CU72-16 7-15 241P	53028 WEY-AB- CB-17 7-15 248P	53029 WEY-A8- 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



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 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 Kathan a. O

Page :	2
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Pentachlorophenol	. 8	5	27	< 0.001
Analyte Name	(ug/mL)	(ug/mL)	(ug/mL)	
		7-15 241P	C-18 7-15 338P	
	7-15 740A	CU72-16	CONCRETE-	
Client ID	WEY-ABC-2	WEY-AB-	WEY-AB-	
Sample #	53023	53027	53029	BLANK
Analyst	K.Orr			
Date	7/26/90			
.>K.#	3175, ICLP EX	Tracts		

# WEYERHAEUSER COMPANY ANALYTICAL LABORATORIES ATOMIC SPECTROSCOPY Tacoma, WA

## Aberdeen P-1 Cleanup Soil SR 03175 TCLP Metals

	53023 740A	53027 2 <b>41</b> P	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
Cđ	< .01	< .01	< .01	< .01
cr	0.01	< .01	0.11	0.10
Cu ·	< .01	0.04	0.09	0.09
Нд	< .001	0.009	< .001	< .001
Pb	< .05	0.06	< .05	< .05
Se	< .1	< .1	< .1	< .1

92370379





# Weyerhaeuser

Date July 3, 1990

from Dennis M. Catalano

Location Tacoma, WTC 2F25

Subject SR# 02761 Aberdeen Sap Stain Control Area Sawdust Survey

In 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 LABORAT	TORY SERVICES REQUESTS	Request Number: 03234	
ANALY TICAL LABOR Research and Development - An		,	
rethacuser Research and Development - 20.  Rele: ABERDEEN SAWMILL #89-260	06-L T 045-8727	Groups: 0,1	
Mamber of Samples: 4		Estimated Completion Date: 07/27/90	
nate Received: 07/20/90	Date Desired: 07/27/90  Location: WTC 2H4	Telephone: 6513	
Submitted By: MC COURT, MICK		Telephone: 924-6242	
Reviewed By: CATALANO, Dennis	Location: 2F 25		
Copy To: JOHN GROSS WWC 2H2			

Sample Description and History:

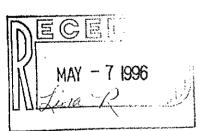
SAWDUST FROM CONVEYOR SHAFT HEAD/ SOILS FROM UNDER BULLPEN BY RAMP

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

1000PPM BIOASSAY Bioassay - Send to Fish Lab В

FOR PCP ONLY CLPHEN-S Chlorophenolics on solids by GC/EC Α

Sample Number	Series to Be Evaluated	Submitter's Designation
53279 53280	AB	SAMPLE 101 7-16 1105 SAMPLE 101 DUPLICATE 7-16 1110 (NOTE: NO TESTS WERE INDICATED FOR THIS SAMPLE)
53281 5328 <b>2</b>	AB A	SAMPLE 202 7-16 0935 SAMPLE 202 DUPLICATE 7-16 0945



	Samples 2 YPS NO		
Interim Report Desired?	Hazardous Samples? Yes No		Record Book:
Reference:  Results Approved:	Date:	Signature applies to attached pages	Page Number:
Richard S. 07/20/90	9) Bogan   7/26/90 Page: 01	923701	23

Printed on: 07/20/90

veyerhaeuser

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 Kathan a. O\_

Date 7/26/90

Analyst

03234 7/26/90 K.Orr

sample # Client ID

53279 Sample 101 7-16 1105

53281 Sample 202 7-16 0935

53282 Sample 202 Blank

DUP 7-16 0945

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

Weyerhacuser Research and Development - A Title: ABERDEEN SAWMILL #89-20	nalysis and	ERVICES REQUEST	3H	Request Number: 03234
Number of Samples: 4	Project	Number: 045-8727	Groups:	
Date Received: 07/20/90	Date Desired: 07/27/90		Estimated Completion Date: 07/27/90	
Submitted By: MC COURT, MICK	<u> </u>	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

				<del>.</del>		į
Group	Series	Test Code	Test Description	on		
			Report Range	Report Basis	Lower Limit of Sensitivity	

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

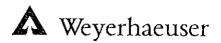


Interim Report Desired?	Hazardous Samples? Ye	s No		
				Record Book:
Results Approved:	D Bogan	Date: 7/26/9	Signature applies to attached pages	Page Number:
Overland	D 03000	1 1		400

Printed on: 07/20/90

Page: 01

92370123



32901 Weyerhaeusor 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.

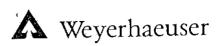
No matrix spike was analyzed due to the expected high concentration of pentachlorophenol in the samples.

Results are expressed in ug/g (ppm).

Approved Kortland a. O.

(

Date  $\frac{7/26/9c}{}$ 



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 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 Kattanf a. O.

Date 7/20/90

Analyst

175, Soils

3175, 7/20/90

K.Orr

Sample # Client ID	53023 WEY-ABC-2 7-15 740A	53024 WEY-AB- SBU-13 7-15 217P	53025 WEY-AB- GUN-14 7-15 230P	53026 WEY-AB- GUAE-15 7-15 230P	53027 WEY-AB- CU72-16 7-15 241P	53028 WEY-AB- CB-17 7-15 248P	53029 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



## **A** Weyerhaeuser

July 26, 1990 Date

From Richard Bogar

Tacoma, WTC 2F25 Location

SR# 03175 Aberdeen P-1 Cleanup Soil Subject

Mick McCourt WTC 2H4 To

> Attached are the results from the samples you requested we analyze for Pentachlorophenol, TCLP Pentachlorphenol 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 D. Bogan Richard Bogar

Analytical Chemistry Laboratories

.Attachment

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 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 Katlanf A. O.

Date 7/20/90

SR # Date Analyst

Soils 3175,

7/20/90

K.Orr

Sample # Client ID

53023 WEY-AB--C-2 7-15 740A

(ug/g)

11

53024 WEY-AB-SBU-13

7-15 217P

53025 WEY-AB-WEY-AB-GUN-14 GUAE-15 7-15 230P

53027 WEY-ABcu72-16

7-15 241P

53028 WEY-AB-CB-17 7-15 248P

53029 WEY-AB-CONCRETE-C-18 7-15 338P

(ug/g)

Analyte Name

Pentachlorophenol

(ug/g) 900

23

7-15 230P

(ug/g)

170

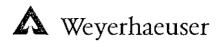
(ug/g)

53026

(ug/g) 280

(ug/g) 14

13



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 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 Kathan a. C.

Date 7/26/90

SR #

3175, **TCLP Extracts** 

Date

7/26/90

Analyst

K.Orr

Sample #

53023

53027

53029

Client ID

WEY-AB--C-2 7-15 740A

WEY-AB-CU72-16 WEY-AB-

CONCRETE-

7-15 241P

C-18 7-15 338P

Analyte Name

(ug/mL)

(ug/mL)

(ug/mL)

< 0.001

BLANK

Pentachlorophenol

8

5

27

## 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)	
₽g _	< .01	<01	< .01	< .01
As	< .1	< .1	< .1	< .1
Ba	0.6	1.7	0.6	0.6
Cď	< .01	< .01	< .01	< .01
Cr	0.01	< .01	0.11	0.10
Cu	< .01	0.04	0.09	0.09
нд	< .001	0.009	< .001	< .001
Pb	< .05	0.06	< .05	< .05
se	< .1	< .1	< .1	< .1

Weyerhaeuscr Research and Development - All Title: ABERDEEN P-1 CLEANUP SOI	lalysis and it	RVICES REQUES	US	Request Rumber: 03175
Number of Samples: 7	1	mber: 045-8727	Groups:	0,1,3
Date Received: 07/16/90	Date Desir	ed: 07/18/90	Estimat	ed Completion Date: 07/18/90
Submitted By MC GOURGE MICK	<u> </u>	Location UTL 254		Telephone: 6513
Reviewed By: CATALANO, Dennis		Location: 2F 25		Te lephone: 924-6242
COPY TO: JOHN GROSS WWC 2H2 S K	CENDALL C	H 2J28		

Sample Description and History:

**ABCDE** 

53029

# INTERIM REPORT

Group	Series	Test Code	Test Description	on	
	<u> </u>		Report Range	Report Basis	Lower Limit of Sensitivity
			l		
0	Ε				ish Lab @ 1000PPM
1	В				olids by GC/EC ** PENTA ONLY **
1	D	CLPHEN-	W Chlorophe	nolics on w	aters by GC/EC ** PENTA ONLY ON TCLP EXTRACT **
(A) (A) (			CONTRACTOR	and sufficient	r marts on Agricus (Brown) for Db. Sur Billiott
			Sauge City	<b>&amp;</b>	,

## Submitter's Designation Series to Be Evaluated Sample Number WEY-AB-C-2 /-15 /4UA WEY-AB-SBU-13 7-15 217P WEY-AB-GUN-14 7-15 230P WEY-AB-GUAE-15 7-15 237P WEY-AB-CU72-16 7-15 241P (NO CU REQUESTED ON TCLP) WEY-AB-CB-17 7-15 248P WEY-AB-CONCRETE-C-18 7-15 338P WEY-AB-C-2 7-15 740A ABCDE 53023 В 53024 В 53025 В 53026 **BCDE** 53027 В 53028

A = POSSIBLE MISH BIOASSAY

Interim Report Desired?	Hazardous Samples? Yes	No		
Reference:				Record Book:
Results Approved: Mary Lath A	Dat	e: /24/an	Signature applies to attached pages	Page Number:
Printed on: 07/16/90		<u>γαηηο</u> ge: 01		

# 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
Ва	0.6	1.7	0.6	0.6
Cđ	< .01	< .01	< .01	< .01
Cr	0.01	< .01	0.11	0.10
Cu	< .01	0.04	0.09	0.09
нд	< .001	0.009	< .001	< .001
Pb	< .05	0.06	< .05	< .05
Se	< .1	< .1	< .1	< .1

Я# Date Analyst	03234 7/26/90 K.Orr				
Sample # Client ID	53279 Sample 101 7-16 1105	53281 Sample 202 7-16 0935	53282 Sample 202 DUP 7-16 0945	B ( ank	
Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)	
Pentachlorophenol	15	1900	1400	0.004	

. 



## ANALYTICAL LABORATORY SERVICES REQUES

Request Number: 03251

Research and Development - Analysis and Testing

Title: ABERDEEN NP-1/PENTA CLEANUP SOIL

Project Number: 045-8727 0,1 Groups: 4 Number of Samples:

Estimated Completion Date: 07/27/90 Date Desired: 07/27/90 Date Received: 07/23/90

Telephone: 6513 Location: WTC 2H4 Submitted By: MC COURT, MICK

Telephone: 924-6242 CATALANO, Dennis Location: 2F 25 Reviewed By:

Copy To:

Sample Description and History:

FOUR 1L ORG'S

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

BIOASSAY Bioassay - Send to Fish Lab 0 В

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

Sample Number	Series to Be Evaluated	Submitter's Designation	. <u>-</u>
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:	). Boan	Date: 7/26/90	Signature applies to attached pages	Page Number:
07/22/00		Page: 01	9237	0101

Printed on: 07/23/90

Page: 01

92370101



32901 Weyerhacuser 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 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 Kntla a. D

## SOIL SEMIVOLATILE SURROGATE RECOVERY

ab Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

evel: (low/med) LOW

									•••••			, , , , , , , , , , , , , , , , , , ,	1 (*) *** [ [ ]	1 3	777	F
: EPA	1	51	1	82	ł	93	- 1	84	i	S5	•	86	OTHER	i l	(1) !	ì
SAMPLE	NO.	(NBZ)	# !	(FBP)	# ;	(TPH)	# 1	(PHL)#	ŧ !	(2FP)#					)UT	1
		a:: :::: :::: ::::	:== ! :	an an 341 an a	1 ren 21	2 <i></i>		::::: 24	=		=	# 152 122 123 123 123 123 123 123 123 123 12	=======================================	; =	E 82 23	1
01 D-65-1		93	1	83	;	61	1	81	1	87	į	78	1	Į	0	:
02 D-68-2	}	102	1 1	87	ł	81	ļ	89	.1	104	1	73	!	!	0	1
031D-7S-1	1	42	1	109	ţ	112	1	89	ţ	84	ì	60	i	i	O	i
04 \ D-7S-2		79	1	76	ŧ	73	i	84	!	85	;	111	1	{	0	ļ
05   D-89-1	1	95	1	90	í	81	;	87	;	94	1	87	!	!	O	1
061D-98-1	ŀ	101	1	83	1	87	ł	88	i	99	;	84	1	i	0	i
071D-98-1MS	3 1	100	ţ	79	1	76	}	93	Ş	88	Į.	93	1	•	0	ŧ
08 SBLKS1	!	70	}	92	{	102	ļ	46	į	65	i	46		1	0	1
<u> </u>	1		1						_	wa	١.	,,,,,,	·	١ _		i

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

ANALYT CAL LABORATIORY SERVICES REQUEST	
- A M-711 * KIND-KMINDMI I VELIKAHANAN QEDAN CERTAN	Request Number: 03644
Besearch and Development - Analysis and Testing	Kednezr uningi: 03011
e: 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	V. Telephone:
Location: 2F 25	Telephone: 924-6242
Reviewed By: CATALANO, Bonne	
COPY TO MICK MC COURT - WTC 2H4	
Sample Description and History:	ne, metals have bun
SOIL SAMPLES /VOCE · MESONIS	
Nha and heade	the interim WOOKT.
Changed since &	the interior report.
Changed since in the final	metals report and it is c
Changed sence to this is the final	the interim report.  metals report and it is c
T. A Commission	
Group Series Test Code Test Description  Report Range Report Basis Lower Limit of Sensi	itivity
Group Series Test Code Test Description	itivity TEST(S)
Group Series Test Code Test Description  Report Range Report Basis Lower Limit of Sension  O A BIOASSAY Bioassay - Send to Fish Lab  B BNA-S BNA on solids	TEST(S) ADDED 9/7
6roup Series Test Code Test Description  Report Range Report Basis Lower Limit of Sension  O A BIOASSAY Bioassay - Send to Fish Lab	TEST(S) ADDED 9/7
Group Series Test Code Test Description  Report Range Report Basis Lower Limit of Sension  O A BIOASSAY Bioassay - Send to Fish Lab  B BNA-S BNA on solids	TEST(S) ADDED 9/7
Group Series Test Code Test Description  Report Range Report Basis Lower Limit of Sension  O A BIOASSAY Bioassay - Send to Fish Lab  B BNA-S BNA on solids  B VOA-S VOA by GC/MS on solids method 8240  BNA on waters	TEST(S) ADDED 9/7
Group Series Test Code Test Description  Report Range Report Basis Lower Limit of Sension  O A BIOASSAY Bioassay - Send to Fish Lab  B BNA-S BNA on solids  B VOA-S VOA by GC/MS on solids method 8240	TEST(S) ADDED 9/7

Sample Number	Series to Be Ev	a luated		Submitter's Designation	
55975 55976 55977 55978 55979 55980 55981 55982 55983 55984	A A A BC BC BC BC BC BC BC	W1DUP* WW7* C3DUP* S2DUP* W1 S2 C3 WW5 CP4 WN6	8-31 1650 8-31 1638		
Interim Report	Desired?	Hazardous Samples	? Yes No		Record Book:
Results Approv	red: Datta L	Dona 1	Date: / / /	Signature applies to attached pages	Page Number:
Printed on:	19/07/90	WII C	Page: 01		



## **ANALYTICAL LABORATORY SERVICES REQUEST**

yerhacuser Research and Development – Analysis and Testing Request Number: 03644

ile Number | Series to Be Evaluated | Submitter's Designation

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

Printed on: 09/07/90

Page: 02

## WEYERHAEUSER COMPANY ANALYTICAL LABORATORIES ATOMIC SPECTROSCOPY Tacoma, WA

## Olympus Aberdeen Samples SR03644 Metals Analysis

	55979 W1	55979 Duplicate	55980 82	55981 C3	55982 WW5	55983 CP4
Element		(mg/	kg, as	received)		
Ag	2	2	2	2	3	2
A1	28400	30100	22700	20200	28100	25700
As	< 5	< 5	< 5	< 5	< 5	< 5
Ba	99	105	45	67	91	79
Вe	< 1	< 1	< 1	< 1	1	< 1
Ca	2120	2640	3470	4510	4080	2680
Cđ	< 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
T1	< 10	< 10	< 10	< 10	< 10	< 10
V	58	66	73	72	88	65
Zn	38	42	123	143	42	81

Approved Many Beth fanza

Notebook\_\_\_\_

# WEYERHAEUSER COMPANY ANALYTICAL LABORATORIES ATOMIC SPECTROSCOPY Tacoma, WA

## Olympus Aberdeen Samples SR03644 Metals Analysis

56268 L1

Element	(ug/L)
Ag	<50
A1	311000
As	<250
Ва	1800
Вe	<50
Ca	71400
Cđ	<50
Co	138
Cr	772
Cu	2610
Fe	292000
ĸ	11000
Mg	35800
Mn	4480
Na	131000
Ni	251
Pb	4910
Sb	129
Se	<500
T1	<500
v	699
Zn	1580

Approved Mary Beth Janza

Notebook\_\_\_\_

ANALYTICAL LABO  Weyerbacuser Research and Development	RATORY SE	RVICES REQUEST	Request Number: 03693
Title: ABERDEEN SAMPLES FOR	BIOASSAY/SE	AOVIM	
Number of Samples: 7		mber: 045-8727	Groups: 0,1,6
Date Received: 09/07/90	Date Desir	ed: 09/17/90	Estimated Completion Date: 09/17/90
Submitted By: MC COURT, MICK	1,1,	Location: WTC 2H4	Te lephone: 6513
Reviewed By: DOXSEE, Kari		Location: 2F 25	Te lephone: 924-6148
Copy To:			

Sample Description and History:

1L ORG'S

Group	Series	Test Code	Test Descript	ion	:	
	l		Report Range	Report Basis	Lower Limit of Sensitivity	Λ ·
0 1	A B		Y Bioassay	- Send to F	(A) 1 \(\sigma \	el. EM
Sample	Number	Series to B	e Evaluated		Submitter's Designation	
56 56 56 56 56	355 356 357 358 359 360 361	AB AB AB AB AB AB		WEY-AB-NP-1 WEY-AB-NP-1 WEY-AB-NP-1 WEY-AB-NP-1 WEY-AB-NP-1 WEY-AB-NP-1	1-2	

Interim Report Desired?	Hazardous Samples? Ye	s	No		
Reference;					Record Book:
Results Approved: Kaud	Doksee	Date: 9-13	-90	Signature applies to attached pages	Page Number:

Printed on: 09/07/90

Page: 01

93160524



## **A** Weyerhaeuser

September 13, 1990 Date

Dennis Catalano

Location Tacoma, WTC 2F25

SR# 03693 Aberdeen Samples For Bioassay and Semivolatiles Subject

Mick McCourt WTC 2H4 Tn

> 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. we can be of assistance in the future.

Dennis Catalano

Analytical Chemistry Laboratories

Attachment



## 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) 2) 3) 4)	SITE 1-S1-1 SITE 2-S2-1 SITE 2-S2-4 SITE 3-S3-1	1345 1332 1410 1345	SR #03177 SR #03177 SR #03177 SR #03177 SR #03177	SAMPLE #53034 SAMPLE #53036 SAMPLE #53039 SAMPLE #53041 SAMPLE #53040
5)	PILE-5	1420	SR #03177	SAMPLE #55040

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

Environmental Technician

ckw/c74/0725

Attachments

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

# AQUATIC TOXICC DGY LABORATORY

·:

- REQUIRED TEST TEMPERATURE RANGE 12°C±1.0°C ANALYST CLYDE TEST METHOD DATA SHEET FOR STATIC ACUTE FISH BIOASSAY, TOXICITY TEST
TEST INTIATION DATE 7/13/90 TIME. TEST ORGANISM RAINBOW TROWT TEST COMPLETION DATE DATE SAMPLE COLLECTED SAMPLE ORGINATOR ADDRESS \_\_ COLLECTOR

SAMPE	754		۵	SYON	BIOASSAY DATA	ATA	-					TECT				1	14			ı	1	
REFERENCE	CONT	TEST	ľ°	39	NUMBER OF CUMULATIVE	J. H.	-	SS	EVIO.	ð.	DISSOLVED OXYCEN	-	1	E S	1		<u> </u>	- 1	TEMPERATURE	AFL	ių.	COMMENTS
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DILUENT ALKALINITY

DILUTION WATER HARDNESS

-(pt.S 10m)

DILUTION WATER CONDUCTIVITY 200

COMMENTS

# WEYERRAEUSER TEURNOLUGY CENTER AQUATIC TOXICC 3GY LABORATORY

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ATIC ACUTE FISH BIOAS	TEST INTIMIATION DATE ///2/ 70 TIME		TEST ORGANISM KRINKOW (KULL) OF TOO TO THE PHILE SOM	REGURED TEST TEMPERATURE RANGE 12 NOW 131 3 NOW 131	
DATA SHEET FOR STA	SAMPLE ORGINATOR MIC COULT	ADDRESS AVERTECN POMOVICE Soil		COLLECTED	•

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	18 E	TEST	Pa	NUM COML STA	NUMBER OF CUMULATIVE MORTALITHES	Ή	ជ	DISSOLVED OXYGEN (mg/t)	YED OX Chan	(B)	7		PH 25%	₽ <del>1</del> 25°C					TEMPERATURE (C)		COMMENTS	
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																- 1	7 1					

# AQUATIC TOXIC( OGY LABORATORY

IATIC ACUTE FISH BIOASSAY TOXICITY TEST	TEST INITIATION DATE 7-16-20 TIME	1	ıŝ	PERATURE RANGE 12°C±1,0°C
HI FORS	10 COURT	WTC 2H4.	MICK MCCOURT	7-13-90
	SAMPLE ORGINATOR	ADDRESS	COLECTOR	DATE SAMPLE COLLECTED

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CON- ANNER NO.		TEST CORK.		100C	1001 ppm	100c							BILL		HAMBER Y	
	TEST	COST TANER	<u>ج</u>										SAMPLE DESCRIPTION(S)		S PER C	:



## 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
	WEY-AB-CU 72	1441	SR #03175	<b>SAMPLE #53027</b>
	WEY-AB-CONCRETE-C-18	1538	SR #03175	<b>SAMPLE #53029</b>

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

Environmental Technician

pmw/d07/0726-3

Attachment

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

# AQUATIC TOXIC( OGY LABORATORY

A

## ANALYTICAL LABORATORY SERVICES REQU

Request Number: 03177

Research and Development - Analysis and Testing

Title: ABERDEEN REMOVIA SOIL TESTING - NP-1 AREA

Project Number: 045-8727 0,1,3 Groups: Number of Samples:

Estimated Completion Daté: 07/18/90 07/18/90 Date Received: 07/16/90 Date Desired:

Telephone: 6513 Location WIC 214 Ne couris Mick Submitted By:

Telephone: 924-6242 Location: 2F 25 CATALANO, Dennis Reviewed By:

COPY TO: JOHN GROSS WWC 2H2, S. KENDALL CH 2J28

Sample Description and History:

1L MET

# INTERIM REPORT

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

BIOASSAY Bioassay - Send to Fish Lab @ 1000PPM 0 E

Acids by GC/MS \*\* PCP BY GC/ECD \*\* ACIDS Α

CLPHEN-W Chlorophenolics on waters by GC/EC PENTA ON TCLP EXTRACT D

Compile Number	Series to Be Evaluated		Submitter's Designation
53034 53035 53036 53037 53038 53039 53040 53041	AE A AE ABCD ABCD ABCD AE AE	S1-1 S1-2 ** S2-1 S2-2* S2-3* S2-4* PILE 5 S3-1 S3-2*	7 HOLD FOR POSSIBLE BIOASSAY.
53042	A	S3-2 <i>≮</i>	

	r				
Interim Report Desired?	Hazardous Samples? Yes		No		
					Record Book:
Reference:					
Results Approved: Mary Lath Janza		Date: 07/14	490	Signature applies to attached pages	Page Number:
Printed op: /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 82-2	53038 S2-3	53038D duplicate	53039 82-4
Element		(mg/L in the T	CLP extract)	
Ag	< .01	< .01	< .01	< .01
As	< .1	< .1	< .1	< .1
Ва	1.8	1.7	1.7	1.8
Cđ	< .01	< .01	< .01	< .01
Cr	0.06	< .01	0.02	< .01
Cu	0.02	< .01	< .01	0.01
Нд	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 đuplicate	53038 S2-3	53039 <b>52-4</b>
Element		(mg/kg, as rec	c'd basis)	
Cu	32	26	22	33

Approved Mary Beth Lanzy

7/24/90

Notebook

-1
A

## ANALYTICAL LABORATORY SERVICES REQU

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

Te lephone: 6513

Reviewed By:

CATALANO, Dennis

Location: 2F 25

Te lephone: 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				

Ε 0

BIOASSAY Bioassay - Send to Fish Lab @ 1000PPM

**ACIDS** 

Acids by GC/MS \*\* PCP BY GC/ECD \*\*

CLPHEN-W Chlorophenolics on waters by GC/EC PENTA ON TCLP EXTRACT



Apply the fining of the

Submitter's Designation

Sample Number	Series to Be Evaluated	·
53034 53035 53036 53037 53038 53039 53040 53041 53042	AE AE ABCD ABCD ABCD AE AE AE	S1-1 S1-2 ** S2-1 S2-2* S2-3* S2-4* PILE 5 S3-1 S3-2*

X HOLD FOR POSSIBLE BIOASSAY.

92370281

Interim Report Desired?	Hazardous Samples? Yes	No		
Reference:	0m0 7	126		Record Book:
Results Approved:	anza C	ate: 7/14/90	Signature applies to attached pages	Page Number:
Printed op: 07/16/90	ome	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 82-3	53038D duplicate	53039 52-4
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
Cđ	< .01	< .01	< .01-	< .01
Cr	0.06	< .01	0.02	< .01
Cu	0.02	< .01	< .01	0.01
нд	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	ι,	(mg/kg, as rec	'd basis)	
Cu	32	26	22	33

Approved Mary Buth Lanzy

7/24/90

92376289k



## **A** Weyerhaeuser

July 26, 1990 Date

Richard Bogar From

Tacoma, WTC 2F25 Location

SR# 03177 Aberdeen Removia Soil Testing Subject

Mick McCourt WTC 2H4 To

> Attached are the results from the samples you requested we analyze for Pentachlorophenol, TCLP Pentachlorphenol, Copper If you have any questions about the results and TCLP metals. 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 D. Boy Richard Bogar

Analytical Chemistry Laboratories

Attachment

John Gross - WWC 2H2 cc:

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 6654

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 Katland a. O.

Page 2

Analyst K.Orr  Sample # 53034 53035 53036 53037 53038 53039 5304  Client ID S1-1 S1-2 S2-1 S2-2 S2-3 S2-4 PILE	Pentachlorophenol	200	51	1800	1000	480	590	23
Analyst K.Orr  Sample # 53034 53035 53036 53037 53038 53039 5304	Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Date 1/20/70	,			-		-	•	53040 PILE 5
R # 3177, Soils	R # Date Analyst	7/20/90	<b>S</b>		. •			

Page 3

Analyst

3177, Soils 7/20/90

K.Orr

Sample # Client ID 53041 s3-1

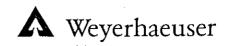
53042 s3-2

Blank

(ug/g)

0.0008

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



32901 Weyerhaeuser Way South Federal Way, Washington 98003 Analytical Chemistry Laboratories Tacoma, Washington 98477 Tel (206) 924 6035 Fax (205) 924 6654

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 Katland a.d.

Date <u>7/26/90</u>

Page 2

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

Analyst

Sample # Client ID

53037 \$2-2

53038 s2-3

53039 **S2-4** 

BLANK

Analyte Name	(ug/mL)	(ug/mL)	(ug/mL)	(ug)
Pentachlorophenol	15	8	a-47	< 0.001

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

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

7-16 0945

 Analyte Name
 (ug/g)
 (ug/g)
 (ug/g)
 (ug/g)

 Pentachlorophenol
 15
 1900
 1400
 0.004

.(

•

Weyerhacuser Research and Development –  Title: ABERDEEN SAWMILL #89-2		Request Number: 03234
umber 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	Te lephone: 924-6242
CODY TO: JOHN GROSS WWC 2H2	2	

Sample Description and History:

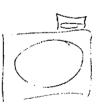
SAWDUST FROM CONVEYOR SHAFT HEAD/ SOILS FROM UNDER BULLPEN BY RAMP

		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
Group	Series	Test Code	Test Description	on	:
		•	Report Range	Report Basis	Lower Limit of Sensitivity

O B BIOASSAY Bioassay - Send to Fish Lab 1000PPM

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

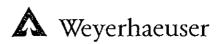
Sample Number	Series to Be Evaluated	Submitter's Designation			
53279 53280	AB	SAMPLE 101 7-16 1105 SAMPLE 101 DUPLICATE 7-16 1110 (NOTE: NO TESTS WERE INDICATED FOR THIS SAMPLE)			
53281 53282	AB A	SAMPLE 202 7-16 0935 SAMPLE 202 DUPLICATE 7-16 0945			
33202	•	14M-19(X) pm			



Interim Report Desired?	Hazardous Samples? Yes	No		
Reference:				Record Book:
Results Approved:		te: /26/90	Signature applies to attached pages	Page Number:

Printed on: 07/20/90

Page: 01



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 Kortland a. O.

Date 7/26/9c

y 03234 , e 7/26/90 Analyst K.Orr

Sample # 53279
Client ID Sample 101
7-16 1105

53281 Sample 202 7-16 0935 53282 Sample 202 DUP Blank

DUP 7-16 0945

 Analyte Name
 (ug/g)
 (ug/g)
 (ug/g)
 (ug/g)

 Pentachlorophenol
 15
 1900
 1400
 0.004

اعلى.		SL
Weverhaeuser Research and Development -	ATORY SERVICES REQUEST  Analysis and Testing	Request Number: 03251
Title: ABERDEEN NP-1/PENTA CLE		0.1
umber 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	Te lephone: 924-6242
Cany To:		

Sample Description and History:

FOUR 1L ORG'S

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

BIOASSAY Bioassay - Send to Fish Lab 0 В

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

Sample Number	Series to Be Evaluated	Submitter's Designation				
53341 53342 53343 53344	AB AB AB AB	WEY-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		
Peference:				Record Book:
Results Approved:	A Constant	Date: 7/26/90	Signature applies to attached pages	Page Number:
07/22/00	g. Orogen	Page: 01	9237	0101

Printed on: 07/23/90

Page: 01



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 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.

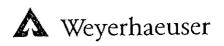
Results are expressed in ug/g (ppm).

Approved Katland a. O.

Date 7/26/90

( รั บษาต์ Analyst	03251 7/26/90 K.Orr				
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- \$31\$W-14 719PM 7-20	Blank
	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Analyte Name	(49/9/			05.000	0.004
Pentachlorophenol	220	23	2900	25000	0.004

.



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 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 Kntland a. O.

Date  $\frac{7/26/90}{}$ 

Date	7/26/90				
Analyst	K.Orr				
			•	μ	
Sample #	53341	53342	53343	53344	Blank
Client ID	WEY-A8-	WEY-AB-	WEY-AB-	WEY-AB-	
	SAPS-11	HPC-12	RAMP-13	\$31\$W-14	
	650PM 7-20	657PM 7-20	715PM 7-20	719PM 7-20	
Analyte Name	(ug/g)	(ug/g)	(ug/g)	(ug/g)	(ug/g)
Pentachlorophenol	220	23	2900	25000	0.004

SR #

ATURY SERVICES REQUEST	Request Number: 03629	
	1	
Project Number: 045-8727	Groups: 1	
Data Desired: 09/13/90	Estimated Completion Date: 09/13/90	
	Telephone: 6513	
Location: WIC 2H4		
Location: 2F 25	Telephone: 924-6242	
	Project Number: 045-8727  Date Desired: 09/13/90  Location: WTC 2H4  Location: 2F 25	

Sample Description and History:

Copy To:

SAMPLED BY PAUL FUGLEVAND

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

1 A BNA-S BNA on solids

			Submitter's Designation
i į	Sample Number	Series to Be Evaluated	Subiriteer 3 Designation
· ·	55890 55891 55892 55893 55894 55895	A A A A A	D-6, S-1 8-30 0915 D-6, S-2 8-30 0920 D-7, S-1 8-30 1010 D-7, S-2 8-30 1020 D-8, S-1 8-30 1105 D-9, S-1 8-30 1215

		<del></del>		
Interim Report Desired?	Hazardous Samples? Yes	No		<u> </u>
Titlet at Report 5			<del></del>	Record Book:
Reference:			Signature applies	Page Number:
Results Approved:	lu	Date: 9 25 90	to attached pages	
		0.1	ongo	C COPH

Printed on: 08/30/90

Page: 01



# Weyerhaeuser

Date September 25, 1990

From Dennis Catalano

Location Tacoma, WTC 2F25

Subject SR# 03629 Aberdeen Soil Samples

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

**At**tachment

# FLAG QUALIFIERS DESCRIPTION

- U Indicates compound was analyzed for but not detected.
- 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.

lame: WEYERHAEUSER

Contract: MCCOURT

b Code: WEYER Case No.: 03629 SAS No.:

SDG No.: 55890

trix: (soil/water) SOIL

Lab Sample ID:

SBLKS1

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

Lab File ID: 2BN0917L

vel: (low/med) LOW

Date Received:

Moisture: not dec. dec.

Date Extracted: 09/07/90

traction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/18/90

C Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

			CONCENTR				
	CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	(	<b>D</b> )
f	,			į		1	ŧ
1	108-95-2	Phenol			560	LU	í
;		bis(2-Chloroethyl	Ether	**************************************	660	١Ū	1
i	95-57-8	2-Chlorophenol			660	ΙU	ł
1	541-73-1	1,3-Dichlorobenzer	1e		660	! U	i
ļ	106-46-7	1,4-Dichlorabenzer	1 <b>@</b>		440	١U	1
1	100-51-6	Benzyl Alcohol	an eas with me was seat that		660	HU	<b>}</b>
1	95-50-1	1,2-Dichlorobenzer	:e	!	660	ŀШ	1
1	95-48-7	2-Methylphenol			660	łU	1
1	108-60-1	bis(2-Chloroisopro	opyl)Ethe	r!	660	١U	;
1	106-44-5	4-Methylphenol		1	660	IU	-
į	621-64-7	N-Nitrasa-Di-n-Pro	opylamine	<del> </del>	660	ŧU	ł
1	67-72-1	Hexachloroethane		<b>;</b>	660	ΙIJ	ł
1	98-95-3	Nitrobenzene			660	ΙU	1
1	78-59-1	Isophorone		1	660	(U	ŝ
1	88-75-5	2-Nitrophenol		1	660	ΙU	1
ł	105-67-9	2.4-Dimethylphenol	,	ł	660	lU	1
!	65-85-0	Benzoic Acid			3200	łU	!
1	111-91-1	bis(2-Chloroethoxy	/) Methane		660	{U	ł
ŧ	120-83-2	2,4-Dichlorophenol	·		660	HU	1
1	120-82-1	-1,2,4-Trichlorober	zene		660	ΙU	ŀ
1	91-20-3	Naphthalene			660	1U	1
1	106-47-8	4-Chloroaniline		i	660	; U	ţ
:	87-68-3	Hexachlorobutadier	ne .		660	H	{
1	59-50-7	4-Chloro-3-Methylp	henol	<u> </u>	660	IU	1
1	91-57-6	2-Methylnaphthaler	je		660	Ш	<b>{</b>
}	77-47-4	Hexachlorocycloper	rtadiene	[·	660	HU	}
ł	88-06-2	2,4,6-Trichlorophe	enol	1	660	IU	1
Į.	95-95-4	2,4,5-Trichlorophe	enol .	<b> </b>	3200	IU	ŧ
1	91-58-7	2-Chloronaphthaler	1 ( <del>2</del> )	ł	660	HU	1
t	88-74-4	-2-Nitroaniline			3200	!U	!
1	131-11-3	Dimethyl Phthalate	ž	{	660	! U	l
ŧ	208-96-8	Acenaphthylene	n game) galag adbig dende yang deldik kepil jibiret t	!	660	; U	· ·
1	606-20-2	2,6-Dinitrotoluene	<u> </u>		660	HU	1
1_			t dagan yinda milay yinmi mijing dagan gujah turtik ki			_	!

Contract: MCCOURT

( me: WEYERHAEUSER

b Code: WEYER Case No.: 03629 SAS No.:

SDG No.: 55890

atrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

ample wt/vol: 30.0 (g/mL) 6

Lab File ID: 2BN0917L

evel: (low/med) LOW

Date Received:

Moisture: not dec. dec.

Date Extracted: 09/07/90

ktraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/18/90

°C Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

	CAS NO.	COMPOUND	(ug/L	CO!"	ug/Kg)	(70) 1/0		
ţ					1		{	;
1	00007	3-Nitroaniline	m n 1			3200	117	i i
	07	Acensohthene			i	440	10	i
		2,4-Dinitrophenol	•	,	<u> </u>	3200	IU	i
	100 00-7	4-Nitrophenol				3200	l U	1
	100-02-7	Dibenzofuran			1	660	ΗU	
	132-64-7	2,4-Dinitrotoluer	16		†	660	ΙU	ì
	121-14-2	Diethylphthalate	***************************************			660	(U	
	84-66-2	4-Chlorophenyl-ph	renvlet	 1er		660	IU	1
	7005-72-3	Fluorene				660	l U	
	86-/J-/	4-Nitroaniline			<u> </u>	3200	ΙU	
	100-01-6	4,6-Dinitro-2-Me		nol		3200	HU	
Į	534-52-1	The second second in the second secon	 ലോക്ക	(1)	1	660	IU	
	86-30-6	N-Nitrosodipheny	semine sevlath	ta h		660	11)	
į	101-55-3	4-Eromophenyl-ph	-: -:	····	·	660	1U	
į	118-74-1	Hexachlorobenzen	==	um =11. 447	!	3200	I U	
i	87-86-5	Pentachloropheno	£ ,			660	IU	
ł	85-01-8	Phenanthrene		—		660	10	
i	120-12-7	Anthracene			! !	660	ıÜ	
1	84-74-2	Di-n-Butylphthal	gre		1	660	ίŪ	
į	206-44-0	Fluoranthene	Name of Street order Street order 1000			660	iÜ	
!	129-00-0	Pyrene				660	IÜ	
1	05-49-7	Butvlbenzylphtha	late		., i	1300	18	
!	C1 - OA - 1	3.3′-Dichloroben	エスロスロモ_		<u></u> ,	660	10	
	5A-55-3	Benzo(a)Anthrace	11 G			660 660	10	
				<b></b>	;		10	
	1 1 1 7 (3 1 7	hia(?~Ethylhexyl	)phthal	ate	P1	660		
	117-04-0	Di-n-Octyl Phtha	Jace			660	IU	
	: 008_QQ_Q	Benzo(b)Fluorant	.hene	,, wer see •		660	}	
	· 207-08-9	Benzo(k)Fluorant	.hene		i	660	1 U	
	: ZV/ VO / : EALTOLOLING	Benzo(a)Pyrene				660	IU	
	: Jumaxmom	Indeno(1,2,3-cd)	Fyrene	., ,,,,,,,		660	¦U	
	1 F7 70 7	Dibenz (a,h) Anthr	acene		1	660	IU	
	1 35-70-5	Benzo(g,h,i)Per	dene			660	IU	
	1 171-24-2	merico con in it is a	. Alfen bepel bel		!			d.,

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKSI

lame: WEYERHAEUSER

Contract: MCCOURT

to Code: WEYER Case No.: 03629 SAS No.:

SDG No.: 55890

trix: (soil/water) SOIL

Lab Sample ID: SBLKS1

umple wt/vol:

30.0 (g/mL) 6

dec.

Lab File ID:

2BN0917L

evel: (low/med) LOW

Date Received:

traction: (SepF/Cont/Sonc) SONC

Date Extracted: 09/07/90

Date Analyzed: 09/18/90

'C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

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

umber TICs found: 3

Moisture: not dec.

		i		1		i			i		i
CAS	NUMBER	: COMPOUND	NAME	1	RT	Į.	EST.	CONC.	1	Q	1
				===	155 E5 212 122 255 255	; ==:	=======================================	: == e= e= == == ==	1==	;	: }
i .		LUNKNOWN		}	4.75	<b>{</b>		4500	IJ)		1
2.		LUNKMOWN		1	28.69	ŧ		3200	13%	,	;
, <del></del> .		LUNKNOWN			32.92	;		970	1JX		1
		1		1		1			1		1

710 HU 87-68-3----Hexachlorobutadiene\_\_\_\_! HU 710 59-50-7-----4-Chloro-3-Methylphenol\_\_\_\_\_ I U 710 91-57-6----2-Methylnaphthalene\_\_\_\_\_ 710 :U 77-47-4----Hexachlorocyclopentadiene\_\_\_\_ 88-04-2----2,4,6-Trichlorophenol\_\_\_\_\_ 710 lU 3400 111 IU. 710 3400 1 [] ! | ! 710 ( 131-11-3----Dimethyl Phthalate\_\_\_\_ 710 !U 1 208-96-8-----Acenaphthylene\_\_\_\_\_ :U 710 606-20-2----2.6-Dinitrotoluene\_\_\_\_\_

91-20-3----Naphthalene\_\_\_\_\_

(U

HU

710

lame: WEYERHAEUSER Contract: MCCOURT

b Code: WEYER Case No.: 03629 SAS No.:

SDG No.: 55890

trix: (soil/water) SOIL

mple wt/vol: 30.1 (g/mL) 6

Lab Sample ID: 55890

Lab File ID: BN0920A

vel: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 7 dec.

Date Extracted: 09/07/90

traction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/20/90

C Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	(ug/L or	r u	ig/Kg)	UG/KG		Ø	
1					1 .		1		<b>!</b>
ŀ	99-09-2	-3-Nitroaniline			4	3400	ļυ		\$
Ę	83-32-9	-Acenaphthene				710	١U		1
ŀ	51-28-5	-2,4-Dinitrophenol_				3400	ŧU		ł
1	100-02-7	-4-Nitrophenol				3400	Ш		1
!	132-64-9	Dibenzofuran			<del> </del>	710	HU		ł
1	121-14-2	-2,4-Dinitrotoluene	2			710	ŧU		<b>!</b>
}	84-66-2	Diethylphthalate			1	710	: U		1
ŧ	7005-72-3	-4-Chlorophenyl-phe	enylether		1	710	ŀU		í
!	86-73-7	Fluorene				710	1U		ţ
1	100-01-6	-4-Nitroaniline				3400	ΙU		l
;	534-52-1	4,6-Dinitro-2-Meth	ylphenol	1	1	3400	IU		:
ŧ	86-30-6	-N-Nitrosodiphenyle	kmine (1)	<b>}</b>	{	710	١U		i
;		4-Bromophenyl-pher				710	ΙU		ł
1	118-74-1	-Hexachlorobenzene_				710	10		ļ
ł	87-86-5	Pentachlorophenol			1	3400	Ш		į
!	85-01-8	-Fhenanthrene			}	710	ΙIJ		! •
1	120-12-7	-Anthracene	a		!	710	IU		ł
;	84-74-2	-Di-n-Butylphthalat	e		!	710	Ш		1
1	206-44-0	Fluoranthene			1	710	łU		1
ł	129-00-0	-Pyrene	ماء خلفت المناد شبيب ويبيد ويبرب بيون يجهو ب		<del>!</del>	710	Ш		1
1	85-49-7	-Butylbenzylphthale	ste		{	710	1 🗓		1
í	91-94-1	-3,3'-Dichlorobenzi	dine		!	1400	HU		;
1	54-55-3	Benzo(a)Anthracene	2		1	710	łŲ		ł
i	218-01-9	-Chrysene			{	710	НU		1
1	117-81-7	-bis(2-Ethylhexyl)p	ohthalate	€		710	111		1
ŧ		-Di-n-Octyl Phthale				710	łU		1
!		Benzo(b)Fluoranthe				710	ŧШ		}
)		-Benzo(k)Fluoranthe				710	١U		1
1	50-32-8	Benzo(a)Pyrene	er ware ones seem plan annel tirdl token M		1	710	łЦ		1
}		-Indeno(1,2,3-cd)Fy				710	ŧΠ		1
1	53-70-3	—Dibenz(a,h)Anthrac	ene		!	710	НU		1
i	191-24-2	-Benzo(g,h,i)Peryle	ene		!	710	Н		}
! _					1	we en en ure	!		1

Contract: MCCOURT 'we: WEYERHAEUSER

b Code: WEYER

Case No.: 03629

SAS No. :

SDG No.: 55890

55691

atrix: (soil/water) SOIL

(q/mL) G

Lab Sample ID:

30.1 umple wt/vol:

ENO920B Lab File ID:

(low/med) LOM evel:

08/30/90 Date Received:

dec. Moisture: not dec. 17

Date Extracted: 09/07/90

:traction:

(SepF/Cont/Sonc)

09/20/90 Date Analyzed:

on Cleanup:

(Y/N) Y

pH:

Dilution Factor: 0.50

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

SONO

790 IU 108-95-2----Phenol\_\_\_\_ 790 10 111-44-4----bis(2-Chloroethyl)Ether\_\_\_\_ 790 10 95-57-8----2-Chlorophenol\_\_\_\_\_ IU 790 541-73-1----1,3-Dichlorobenzene\_\_\_\_| : U 790 106-46-7-----1,4-Dichlorobenzene\_\_\_\_\_ lU; 790 100-51-6----Benzyl Alcohol\_\_\_\_ 1U 790 95-50-1----1,2-Dichlorobenzene\_\_\_\_ 111 790 | 95-48-7----2-Methylphenol\_\_\_\_\_ HU | 108-60-1-----bis(2-Chloroisopropyl)Ether\_\_! 790 Į U 790 ; 106-44-5-----4-Methylphenol\_\_\_\_ 790 14 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_ 10 790 67-72-1----Hexachloroethane\_\_\_\_\_ 790  $\mathbf{H}\mathbf{U}$ 78-95-3----Nitrobenzene\_\_\_\_ Ш 790 78-59-1----Isophorone\_\_\_\_ U 790 IU. 790 105-67-9----2,4-Dimethylphenol\_\_\_\_! HU 3800 65-85-0----Benzoic Acid\_\_\_\_ 1 U 790 111-91-1-----bis(2-Chloroethoxy)Methane\_\_\_| 1U 790 120-83-2----2,4-Dichlorophenol\_\_\_\_\_ 790 HU 120-82-1----1,2,4-Trichlorobenzene\_\_\_\_ HU 790 91-20-3----Naphthalene\_\_\_\_\_ ! U 790 106-47-8----4-Chloroaniline\_\_\_\_\_ 790 ١IJ 87-68-3----Hexachlorobutadiene IU 790 59-50-7-----4-Ehloro-3-Methylphenol\_\_\_\_\_ HU 790 91-57-6----2-Methylnaphthalene\_\_\_\_ t U 79O 77-47-4-----Hexachlorocyclopentadiene\_\_\_\_! IU 790 : 88-06-2----2,4,6-Trichlorophenol\_\_\_\_\_ l U 3800 95-95-4----2,4,5-Trichlorophenol\_\_\_\_\_ 790 11. 91-58-7-----2-Chloronaphthalene\_\_\_\_ 3800 11 | 88-74-4----2-Nitroaniline\_\_\_\_\_ Ш 790 : 131-11-3----Dimethyl Phthalate\_\_\_\_\_ :U 790 | 208-96-8-----Acenaphthylene\_\_\_\_!

111

| 606-20-2----2,6-Dinitrotaluene\_\_\_\_\_

EPA SAMPLE NO.

lame: WEYERHAEUSER Contract: MCCOURT

b Code: WEYER Case No.: 03629 SAS No.:

SDG No.: 55890

trix: (soil/water) SOIL

Lab Sample ID:

mple wt/vol:

30.1 (g/mL) 6

Lab File ID:

BN0920B

vel: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 17 dec.

CAS NO.

COMPOUND

Date Extracted: 09/07/90

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/20/90

C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

CONCENTRATION UNITS:

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

99-09-2-				25		
83-32-9	1		} *		1	;
83-32-9	į	99-09-23-Witroaniline			IU	1
S1-28-5	I	83-32-9Acenaphthene	1	790	111	1
100-02-74-Nitrophenol   3800   U   132-64-9Dibenzofuran   790   U   121-14-22, 4-Dinitrotoluene   790   U   121-14-22, 4-Dinitrotoluene   790   U   17005-72-34-Chlorophenyl-phenylether   790   U   186-73-7Fluorene   790   U   186-73-7Fluorene   790   U   186-73-7	ŧ	51-28-52,4-Dinitropheno		3800	l U	1
132-64-9	. 1	100-02-74-Nitrophenol	<b>!</b>	3800	Ш	1
121-14-22,4-Dinitrotoluene	ļ	132-64-9Dibenzofuran_	<b></b>	790	Į U	1
84-66-2	1	121-14-22,4-Dinitrotoluer	rel	790	(U	i
7005-72-34-Chlorophenyl-phenylether	1	84-66-2Diethylphthalate		790	НU	1
100-01-64-Nitroaniline	ŧ	- 7005-72-34-Chlorophenyl-ph	enylether	790	HU	1
100-01-64-Nitroaniline	-1,	86-73-7Fluorene	1	790	10	!
534-52-14,6-Dinitro-2-Methylphenol   3800   U   86-30-6	1	100-01-64-Nitroaniline	{	3800	1 U	1
101-55-34-Bromophenyl-phenylether	1	534-52-14,6-Dimitro-2-Met	:hylphenalH	3800	-10	1
101-55-34-Bromophenyl-phenylether	1	86-30-6N-Nitrosodiphenyl	amine (1)		łIJ	i
118-74-1	1	101-55-34-Bromophenyl-pha	enylether	790	{ LJ	1
87-86-5	1	118-74-1Hexachlorobenzene		790	łЦ	1
B5-01-8	Ī	87-86-5Pentachlorophenol	<u> </u>	3800	Ш	}
120-12-7Anthracene	1	85-01-8Phenanthrene		790	HU	1
84-74-2	į	120-12-7Anthracene	ŧ	790	¦ U	- 1
206-44-0	1	84-74-2Di-n-Butylphthala	ite (		Ш	1
129-00-0	i	206-44-0Fluoranthene	1	790	10	1
91-94-13,3'-Dichlorobenzidine	;	129-00-0Pyrene	Į	790	ΙU	ţ
91-94-13,3'-Dichlorobenzidine	1	85-48-7Butylbenzylphthal	ate	790	ΗU	1
218-01-9Chrysene   790   U   117-81-7bis(2-Ethylhexyl)phthalate   320   J   117-84-0Di-n-Octyl Phthalate   480   J   1205-99-2Benzo(b)Fluoranthene   790   U   207-08-9Benzo(k)Fluoranthene   790   U   50-32-8	1	91-94-1	idine !	1600	IU	l l
218-01-9Chrysene   790   U   117-81-7bis(2-Ethylhexyl)phthalate   320   J   117-84-0Di-n-Octyl Phthalate   480   J   1205-99-2Benzo(b)Fluoranthene   790   U   207-08-9Benzo(k)Fluoranthene   790   U   50-32-8	1	56-55-3Benzo(a)Anthracer	ا در الم	790	i U	1
117-84-0	ł	218-01-9Chrysene	I	790	ΙU	1
205-99-2Benzo(b)Fluoranthene	;	117-81-7bis(2-Ethylhexyl)	phthalate!	320	IJ	1
205-99-2Benzo(b)Fluoranthene	1	117-84-0Di-n-Octyl Phthal	ate!	480	IJ	1
207-08-9Benzo(k)Fluoranthene	1	205-99-2Benzo(b)Fluoranth	iene (	790	ŧ U	ì
50-32-8	Ļ	207-08-9Benzo(k)Fluoranth	ene l		{ <b>(.)</b>	{
193-39-5Indeno(1,2,3-cd)Fyrene	1	50-32-8	1	790	U	!
53-70-3Dibenz(a,h)Anthracene	1	193-39-5Indeno(1,2,3-cd)F	yrenel	790	IU	‡
191-24-2Benzo(g,h,i)Perylene	;	53-70-3Dibenz(a,h)Anthra	cenel	790	HU	}
	1	191-24-2Benzo(g,h,i)Peryl	enet		ŧÚ	ł
	1	mm (for the large with large and have have some core table and south lade who some large and large best and late body and love who into south and code after some or		(, nı4 np; -i-		

<sup>(1) -</sup> Cannot be separated from Diphenylamine

Contract: MCCOURT

Mame: WEYERHAEUSER

b Code: WEYER Case No.: 03629 SAS No.:

SDG No.: 55890

atrix: (soil/water) SOIL

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

Lab File ID: BN0920C

Lab Sample ID:

evel: (low/med) LOW

Date Received: 08/30/90

Moisture: not dec. 10 dec.

Date Extracted: 09/07/90

xtraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/20/90

°C Cleanup: (Y/N) Y pH:

Dilution Factor: 0.50

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

108-95-2		1		1	ì
111-44-4			730	IU	<b>;</b>
95-57-8 - 2-Chlorophenol	108-95-2	Phenol	730	łU	1
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         108-64-5       -4-Methylphenol       730 IU         621-64-7       -N-Nitroso-Di-n-Propylamine       730 IU         621-64-7       -N-Nitroso-Di-n-Propylamine       730 IU         62-72-1       -Hexachloroethane       730 IU         98-95-3       -Nitrobenzene       730 IU         98-95-3       -Nitrobenzene       730 IU         98-75-5       -2-Nitrophenol       730 IU         105-67-9       -2,4-Dimethylphenol       3500 IU         65-85-0       Benzoic Acid       730 IU         11-91-1       -bis (2-Chloroethoxy) Methane       730 IU         120-83-2       -2,4-Dichlorophenol       730 IU         120-83-2       -2,4-Dichlorophenol       730 IU         120-83-2       -2,4-Dichlorophenol       730 IU         106-47-8       -4-Chloroaniline       730 IU         107-47-4       -4-E	111-44-4	bis(2-Chloroetny)/sche	730	¦U	1
106-46-7	75-57-8	2-Chlorophenol	730	ŧυ	1
100-51-6-	541-73-1	1,3-Dichlorobenzene	730	H	1 1
100-51-6-	106-46-7	1,4-Dichlorobenzene	730	1U	!
95-50-1	300 E4 - 6	Benzyl Alcono!	730	IU	ł
95-48-7 — 2-Methylphenol			730	1U	- 1
106-44-5	95-48-7	2-Methylphenol	730	ΙU	1
106-44-5	108-60-1	bis(2-Chloroisopropy)/Ether;	730	(U	1
621-64-7 N-Nitrosc-Di-Merropytamin 730   U   67-72-1	E"	4 Methy)nhene!		•	1
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       730 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         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       730 IU         91-58-7       2-Chloronaphthalene       3500 IU         91-58-7       2-Chloronaphthalene       730 IU         131-11-3       Dimethyl Fhthalate       730 IU	101-41-7	N-Nitroso-Di-n-Frohyiemin		ΙÜ	ļ.
78-95-3       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       730 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         187-68-3       Hexachlorobutadiene       730 IU         191-57-6       -2-Methylnaphthalene       730 IU         191-57-6       -2-Methylnaphthalene       730 IU         188-06-2       -2,4,6-Trichlorophenol       3500 IU         195-95-4       -2,4,6-Trichlorophenol       3500 IU         191-58-7       -2-Chloronaphthalene       3500 IU         191-58-7       -2-Nitroaniline       730 IU         188-74-4       -2-Nitroaniline       730 IU         131-11-3       -Dimethyl Phthalate       730 IU	/ 77721	Hexachloroethane		iU	ł
78-59-1 — Isophorone  88-75-5 — 2-Nitrophenol  105-67-9 — 2,4-Dimethylphenol  65-85-0 — Benzoic Acid  111-91-1 — bis(2-Chloroethoxy)Methane  120-83-2 — 2,4-Dichlorophenol  120-82-1 — 1,2,4-Trichlorobenzene  106-47-8 — Naphthalene  106-47-8 — Hexachlorobutadiene  59-50-7 — 4-Chloro-3-Methylphenol  91-57-6 — 2-Methylnaphthalene  730   U	00-05-3	Nitrobenzene	~y ~; ~ c~		
88-75-5	70	Isophorone		•	1
105-67-92,4-Dimethylphenol	53.53 TV 107 107	2-Nitrophenol	,		Ļ
65-85-0 Benzoic Acid 111-91-1 bis(2-Chloroethoxy)Methane 120-83-2 2,4-Dichlorophenol 120-82-1 1,2,4-Trichlorobenzene 730   U   730   U	105_17_0		, TEAN		1
111-91-1		Dennie Arid		• •	
120-83-22,4-Dichlorophenol 120-82-11,2,4-Trichlorobenzene 730   U   730   U	4 4 4 . 77 4 1	his(2-Chloroethoxy/nethane			1
120-82-11,2,4-Trichlerobenzere	4 CM DT C		; / / / / / / / / / / / / / / / / / / /		
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       3500 IU         95-95-4       2,4,5-Trichlorophenol       730 IU         91-58-7       2-Chloronaphthalene       3500 IU         88-74-4       2-Nitroaniline       730 IU         131-11-3       Dimethyl Fhthalete       730 IU	100-02-1	1.2.4-Trichloropenzene	177 771 773		į
106-47-84-Chloroaniline 87-68-3Hexachlorobutadiene 59-50-74-Chloro-3-Methylphenol 91-57-62-Methylnaphthalene 730 IU 770 IU	O 1 O O 7	Nanhthalene	and 10 miles 2014	•	į
87-68-3	4 -5 / /1-7 C)	4-Chloroaniline	A see made of		
59-50-74-Chloro-3-Methylphenol 730   U   91-57-62-Methylnaphthalene 730   U   77-47-4Hexachlorocyclopentadiene 730   U   7		Hexachlorobutadiene	may may all	,	•
91-57-62-Methylnaphthalene 77-47-4Hexachlorocyclopentadiene 730   U   1   1   1   1   1   1   1   1   1	FO FO 7		attended to the		3
77-47-4	(C) 77 4		A section	• •	1
88-06-22,4,6-Trichlorophenol	· -7 -7 . 1 -7 1	Hexachlorocyclopentagiane	the second of		1
95-95-42,4,5-Trichlorophenol	5 00 A/ . 9	o.a.A-Trichlorophenoi			
91-58-7	. est that 4	A.S-Trichloropoeno	no tre in	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ī ţ
! 88-74-4	PP 275 - 77				i
: 131-11-3Dimethyl Phtha:ate 730 (U )	. coco 27.4 A	O-Nitroaniline			,
. cap c/ c	1 88-74-4	nimethyl Phthalate	730		i L
1 606-20-22,6-Dinitrotoluene	1 131-11-3	Acenenhthvlene	1 730		í
	MOR-A9-R	A-Digitrotoluene	730	1 U	1
	1 606-20-2	50 y C2 24 55 1 1 4 C3	many diving provid (man ) primes saling support critics grown databases saling at	!	

s( lame: WEYERHAEUSER Contract: MCCOURT

ab Code: WEYER Case No.: 03629

SAS No.:

SDG No.:

atrix: (soil/water) SOIL

Lab Sample ID:

ample wt/vol: 30.1 (g/mL) 6 Lab File ID:

BN09200

evel: (low/med) LOW

Date Received: 08/30/90

CONCENTRATION UNITS:

Moisture: not dec. 10 dec.

Date Extracted: 09/07/90

traction: (SepF/Cont/Sonc) SBNC Date Analyzed: 09/20/90

°C Cleanup: (Y/N) Y

pH:

Dilution Factor: 0.50

	CAS NO.	COMPOUND	(ug/L or				O.
:	<b>-</b>			1			
1	99-09-2	3-Nitroaniline		{	3500	ΙU	
i	- ほうこうどーグーーー-			ļ	730	HU	
1	- 31-28-3		17 CT ]	ļ	3500	ΙU	
!	100~02~/~~~	4-Nitrochecol		3	3500	ΙU	
	1.32.707.77	~~~~~~~!!!! 100020+0630		!	730	HU	
	121-14-2			1	730	ΙU	
	_ U4~66~Z~~~~	Diethylohthala	† <i>(</i> 2)	ţ	730	IJ	
	- / リリカー / ヱーふーーー	·	phonylathor		730	ŧU.	
	86-/3-/			į	730	IU	
				j	3500	i U	
	- 334-32-1	·4.6-Dinitro-7-4	Methylnbecol	!	3500	IU	
		······································	ovlamina (11)	ķ	730	IU	
	101-55-3	4-Brananheavl-	ahenvlether	!	730	10	
	118/41		DF1 C2	1 .	730	IU	
	- 6/86-5	······································	ግ ረግ <sup>‡</sup>	i .	3500	ΙÜ	
	- どごーひ 1 ーピーーーー			1	1400	<u> </u>	
	_ 1	······································		1	730	iu	
	C4-/4-2	())()()() ( if \/ \/ i	2 l 5 t 🗗	4	730	Ü	
	~<00~44~0~~~~	Fluoranthene			730	iÜ	
	エスプーリリーリーーー			<u>!</u>	730	IU	
	85-68-7	Rutvlhenzylohtk	onlate	1	730	1 (1	
	71-74-1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	anvidine		1500	10	
			" (") 1"5 (#5	· · ·	730	iù	
	ストロークナーターーー	Uhrvsene		1	730	10	
			/ しいいたわごし シナル	•	730	IU	
	11/-84-0		nalato	!	730	: U	
	205-99-2		nthana	1	730	IU	
	207-08-9	Henzo(k)Eluorad	thene	1	730	111	
	- DO-32-B	Renzo(a)Pyrone		1	730	10	
	ルマンコンアーコーニー	~~~~180@80(1.2.3~cd	) Eventants	į	730 730	. U	
	33-/0-3	Dibsnz(a.b)Antb	uraren e	•	730 730	: U	
	191-24-2	Benzo(g,h,i)Per	vlene	· '	730 730	: U	
			): 40 -m (   L.	1	/ ·/	1 🕔	

Contract: MCCOURT

CONCENTRATION UNITS:

'ame: WEYERHAEUSER

SDG No.: 55890 SAS No.: Case No.: 03629 b Code: WEYER

Lab Sample ID: 55893 itrix: (soil/water) SOIL

Lab File ID: BN0920D (g/mL) G 30.1 umple wt/vol:

Date Received: 08/30/90 LOW (law/med)

vel: Date Extracted: 09/07/90

dec. Moisture: not dec. 38

09/21/90 Date Analyzed: SONC (SepF/Cont/Sonc) traction:

Dilution Factor: 0.50 pH: (Y/N) Y C Cleanup:

(ug/L or ug/Kg) UG/KG 6 COMPOUND CAS NO. 1100 ! 108-95-2----Phenol\_\_\_\_ : 111-44-4-----bis(2-Chloroethyl)Ether\_\_\_\_ 113 1100 1100 (U | 95-57-8----2-Chlorophenal\_\_\_\_\_ IU 1100| 541-73-1-----1,3-Dichlorobenzene\_\_\_\_\_! LU 1100 | 106-46-7-----1,4-Dichlorobenzene\_\_\_\_ 111 1100| 100-51-6----Benzyl Alcohol\_\_\_\_\_ 1100 IU 95-50-1-----1,2-Dichlorobenzene\_\_\_\_\_ 1100 l U , 95-48-7----2-Methylphenol\_\_\_\_\_\_ 108-60-1-----bis(2-Chloroisopropyl)Ether\_\_ IU 1100 :U 1100 | 106-44-5-----4-Methylphenol\_\_\_\_\_ 111 1100 | 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_! IU 1100 67-72-1----Hexachloroethane\_\_\_\_ 1100 IU 98-95-3----Nitrobenzene\_\_\_\_ 111 1100 78-59-1-----Isophorone\_\_\_\_ ! U 1100 88-75-5----2-Nitrophenol\_\_\_\_ IU 1100 105-67-9----2,4-Dimethylphenol\_\_\_\_ 5100 IU 65-85-0----Benzoic Acid\_\_\_\_\_ :U 1100 111-91-1-----bis(2-Chloroethoxy)Methane\_\_\_! 111 120-83-2----2,4-Dichlorophenol\_\_\_\_\_ 1100 111 1100 120-82-1-----1,2,4-Trichlorobenzene\_\_\_\_\_ 111 1100 91-20-3----Naphthalene\_\_\_\_ : U 1100. : 106-47-8-----4-Chloroaniline\_\_\_\_\_ (U 87-68-3----Hexachlorobutadiene\_\_\_\_ 1100 111 1100 59-50-7-----4-Chloro-3-Methylphenol\_\_\_\_\_ IJ 180 91-57-6----2-Methylnaphthalene\_\_\_\_\_ UJ 1100 77-47-4-----Hexachlorocyclopentadiene\_\_\_\_ 1100 HU. | 88-06-2----2,4,6-Trichlorophenol\_\_\_\_\_| 5100 l U | 95-95-4----2,4,5-Trichlorophenol\_\_\_\_\_ {U} | 91-58-7----2-Chloronaphthalene\_\_\_\_ 1100 5100 | 88-74-4-----2-Nitroaniline\_\_\_\_\_ lU : 131-11-3-----Dimethyl Phthalate\_\_\_\_\_ 1100IU 1100 1 208-96-8-----Acenaphthylene\_\_\_\_\_

(U)

EPA SAMPLE NO.

D-7S-2

lame: WEYERHAEUSER

Contract: MCCOURT

b Code: WEYER Case No.: 03629

SAS No.:

SDG No.: 55890

trix: (soil/water) SOIL

Lab Sample ID: 55893

mple wt/vol:

30.1 (g/mL) G

Lab File ID:

BN0920D

vel:

(low/med) LOW

Date Received: 08/30/90

Moisture: not dec.

CAS NO.

39

COMPOUND

traction:

(SepF/Cont/Sonc)

SONO

Date Extracted: 09/07/90

Date Analyzed: 09/21/90

C Cleanup:

(YZN) Y

рНа

dec.

Dilution Factor: 0.50

CONCENTRATION UNITS:

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

	Capture Systems	Carli Carlo			-	
1			1		{	1
ì	99-09-2	-3-Nitroaniline	1	5100	ΙU	ł
i	83-32-9	-Acenaphthene		1100	ΙU	}
1	51-28-5	-2,4-Dinitrophenol		5100	ΙU	1
1	100-02-7	-4-Nitrophenol	{	5100	łU	1
1	132-64-9	-Dibenzofuran	1	1100	łШ	1
í	121-14-2	-2,4-Dinitrotoluene	1	1100	łU	1
ł	84-66-2	-Diethylphthalate	ŧ	1100	ΙU	\$
ŗ	7005-72-3	-4-Chlorophenyl-phenylether_	1	1100	ΙU	. 1
1	86-73-7	-Fluorene	1	1100	Ш	ł
Į	100-01-6	-4-Nitroaniline		5100	10	1
ŀ	534-52-1	-4,6-Dinitro-2-Methylphenol_	1	5100	l U	1
į	86-30-6	-N-Nitrosodiphenylamine (1)_		1100	ПU	. 1
ł	101-55-3	-4-Bromophenyl-phenylether	1	1100	ŀЦ	1
1	119-74-1	-Hexachlorobenzene	t	1100	ΙU	.
t	87-86-5	-Pentachlorophenol	1 5	5100	łU	1
ţ	85-01-8	-Phenanthrene	(	1100	ПП	ł
ļ	120-12-7	-Anthracene	{	1100	łU	1
1	84-74-2	-Di-n-Butylphthalate		1100	łυ	l
;	206-44-0	-Fluoranthene		1100	Ш	l
1	129-00-0	-Fyrene		1100	IЦ	1
Į	85-68-7	-Butylbenzylphthalate		1100	łШ	
1	91-94-1	-3,3′-Dichlorobenzidine		2100	i U	1
1	56-55-3	-Benzo(a) Anthracene		1100	łIJ	ł
1	218-01-9	-Chrysene	1	1100	IU	1
1	117-81-7	-bis(2-Ethylhexyl)phthalate_		1100	HU	ł
ŀ	117-84-0	-Di-n-Octyl Phthalate		1100	1U	1
1	205-99-2	-Benzo(b)Fluoranthene	1	1100	IIJ	1
í	207-08-9	-Benzo(k)Fluoranthene		1100	i U	
;	50-32-8	-Benzo(a)Pyrene		1100	l U	ŀ
1	193-39-5	-Indeno(1,2,3-cd)Pyrene		1100	U	
ļ		-Dibenz (a,h) Anthracene		1100	IJ	1
i	191-24-2	-Benzo(g,h,i)Perylene	!	1100	Ш	1
1.		و فاق الله الله الله الله الله الله الله ال		-, -,		l

<sup>(1) -</sup> Cannot be separated from Diphenylamine

FPA SAMPLE NO. SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET D-8S-1 Contract: MCCOURT 'ame: WEYERHAEUSER SDG No.: 55890 SAS No.: Case No.: 03629 ab Code: WEYER 55894 Lab Sample ID: strix: (soil/water) SOIL BN0920E Lab File ID: (g/mL) G 30.1 ample wt/vol: 08/30/90 Date Received: (low/med) evel: Date Extracted: 09/07/90 dec. Moisture: not dec. 15 09/21/90 Date Analyzed: SONC (SepF/Cont/Sonc) xtraction: Dilution Factor: 0.50 pHa (Y/N) Y PC Cleanup: CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG 0 COMPOUND CAS NO. 770 IU| 108-95-2-----Fhenol\_\_\_\_ 770 : 1.1 111-44-4----bis(2-Chloroethyl)Ether\_\_\_\_ 770 ŧШ | 95-57-8----2-Chlorophenol\_\_\_\_\_ !U 770 łШ 770 | 105-46-7----1,4-Dichlorobenzene\_\_\_\_\_ 10 770 | 100-51-6-----Benzyl Alcohol\_\_\_\_\_ 770 l U : 95-50-1-----1,2-Dichlorobenzene\_\_\_\_\_! 770 IU | 95-48-7----2-Methylphenol\_\_\_\_\_ 770 1 U 108-60-1-----bis(2-Chloroisopropyl)Ether\_\_( H 770 t 106-44-5----4-Methylphenol\_\_\_\_\_ IU 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_I 770 ! LJ 770 67-72-1----Hexachloroethane\_\_\_\_ 770 l U | 98-95-3-----Nitrobenzene\_\_\_\_!  $\{\bigcup$ 770 78-59-1----Isophorone\_\_\_\_\_ 770 1 U 770 IU 105-67-9-----2,4-Dimethylphenol\_\_\_\_\_ ΙU 3800 65-85-0-----Benzoic Acid\_\_\_\_\_ !U 111-91-1-----bis(2-Chloroethoxy)Methane\_\_\_! 770 770 l U 120-83-2----2,4-Dichlorophenol\_\_\_\_\_ IU 770 120-82-1----1,2,4-Trichlorobenzene\_\_\_\_\_ 1U 770 | 91-20-3----Naphthalene\_\_\_\_| I U 106-47-8----4-Chloroaniline\_\_\_\_ 770. 770 ! U | 87-68-3----Hexachlorobutadiene\_\_\_\_\_ 1 U 770 770 LU 91-57-6----2-Methylnaphthalene\_\_\_\_\_ ł U 770 77-47-4----Hexachlorocyclopentadiene\_\_\_\_

l U

I U

111

111

! U

1 U

l U

770

770

770

770

770

3800

3800

| 88-06-2----2,4,6-Trichlorophenol\_\_\_\_\_|

91-58-7-----2-Chloronaphthalene\_\_\_\_\_

1 131-11-3-----Dimethyl Phthalate\_\_\_\_\_

: 208-96-8------Acenaphthylene\_\_\_\_\_! : 606-20-2----2,6-Dinitrotoluene\_\_\_\_

(g/mL) G

SONC

EPA SAMPLE NO.

09/21/90

D-6S-1 Contract: MCCOURT

ame: WEYERHAEUSER

Case No.: 03629

SDG No.: 55890

trix: (soil/water) SOIL

Lab Sample ID: 55894

BN0920E

SAS No. :

(low/med) !vel:

08/30/90 Date Received:

Moisture: not dec. 15 dec.

(Y/N) Y

Date Extracted: 09/07/90

traction:

b Code: WEYER

.mple wt/vol:

C Cleanup:

30.1

(SepF/Cont/Sonc)

CONCENTRATION UNITS:

Date Analyzed:

Lab File ID:

Dilution Factor: 0.50 pH:

Q CAS NO. COMPOUND) (ug/L or ug/Kg) UG/KG 1 3800 HU. 770 | H3-32-9-----Acenaphthene\_\_\_\_\_( : U 3800 ! U | 51-28-5----2,4-Dinitrophenol\_\_\_\_| 3800 ! U | 132-64-9-----Dibenzofuran\_\_\_\_\_| 770 Ш 770 l U | 121-14-2----2,4-Dinitrotoluene\_\_\_\_\_| 770 H 1 84-66-2-----Diethylphthalate\_\_\_\_\_| 770 111 1 7005-72-3----4-Chlorophenyl-phenylether\_\_\_; 770 l U | 100-01-6------4-Nitroaniline\_\_\_\_\_\_ 3800 HU. 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_| 3800 111 770 111 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_! | 101-55-3----4-Bromophenyl-phenylether\_\_\_| 770 ł U | 118-74-1-----Hexachlorobenzene\_\_\_\_| 770 111 | 87-86-5----Pentachlorophenol\_\_\_\_| 3800 IU | 85-01-8-----Phenanthrene\_\_\_\_| 770 ! U | 120-12-7-----Anthracene\_\_\_\_| 770 IU | 84-74-2----Di-n-Butylphthalate\_\_\_\_| ! U 770 770 !U 770 111 770 IU 1 85-68-7-----Butylbenzylphthalate\_\_\_\_\_\_ | 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_\_ 1500 IU 770 111 56-55-3-----Benz ω (a) Anthracene\_\_\_\_\_| | 218-01-9-----Chrysene\_\_\_\_| 770 HU | 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_| I U 770 | 117-84-0-----Di-n-Octyl Phthalate\_\_\_\_\_ 770 770 1 205-99-2----Benzo(b)Fluoranthene\_\_\_\_\_  $\mathbf{I}$ 770 1U 1 207-08-9-----Benzo(k)Fluoranthene\_\_\_\_\_ | 50-32-8----Benzo(a)Pyrene\_\_\_\_| 770 l U | 193-39-5-----Indeno(1,2,3-cd)Pyrene\_\_\_\_| 770 111 53-70-3----Dibenz(a,h)Anthracene\_\_\_\_l 770 111 ! 191-24-2-----Benzo(g,h,i)Perylene\_\_\_\_( 770 111 Cannot be separated from Diphenylamine

0-95-1

lame: WEYERHAEUSER

Contract: MCCOURT

Case No.: 03629

SAS No.:

SDG No.: 55890

55895

atrix: (soil/water) SCIL

Lab Sample ID:

ample wt/vol:

to Code: WEYER

(q/mL) G 30.O

BN0920F Lab File ID:

LOW. (low/med) avel:

08/30/90 Date Received:

Moisture: not dec. 12 Date Extracted: 09/07/90

ktraction:

(SepF/Cont/Sonc)

Date Analyzed: 09/21/90

⇒C Cleanup:

(Y/N) Y

pH:

dec.

Dilution Factor: 0.50

CONCENTRATION UNITS:

 $\Omega$ (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. HU. 750 | 108-95-2-----Phenol\_\_\_\_\_ 1U 750 | 111-44-4-----bis(2-Chloroethyl)Ether\_\_\_\_| 10 750 | 95-57-8----2-Chlorophenol\_\_\_\_\_ 750 ŧU | 541-73-1-----1,3-Dichlorobenzene\_\_\_\_\_ { U } 750

SONC

| 106-46-7----1,4-Dichlorobenzene\_\_\_\_| 100-51-6-----Benzyl Alcohol\_\_\_\_\_ | 95-50-1------1,2-Dichlorobenzene\_\_\_\_ | 95-48-7----2-Methylphenol\_\_\_\_\_ | 108-60-1-----bis(2-Chloroisopropyl)Ether\_\_|

| 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_| : 67-72-1----Hexachloroethane\_\_\_\_ 98-95-3----Nitrobenzene\_\_\_\_

78-59-1-----Isophorone\_\_\_\_ 

111-91-1-----bis(2-Chloroethoxy)Methane\_\_\_| 120-83-2----2,4-Dichlorophenol\_\_\_\_\_ 120-82-1-----1,2,4-Trichlorobenzene\_\_\_\_\_

91-20-3----Naphthalene\_\_\_\_ 1 106-47-8----4-Chloroaniline\_\_\_\_ 87-68-3----Hexachlorobutadiene\_\_\_\_ 59-50-7------4-Chloro-3-Methylphenol\_\_\_\_\_!

| 91-57-6----2-Methylnaphthalene\_\_\_\_| 77-47-4-----Hexachlorocyclopentadiene\_\_\_\_ | 88-06-2----2,4,6-Trichlorophenol\_\_\_\_\_| | 95-95-4----2,4,5-Trichlorophenol\_\_\_\_\_ 1 91-58-7----2-Chloronaphthalene\_\_\_\_!

! 131-11-3-----Dimethyl Phthalate\_\_\_\_\_ | 208-96-8----Acenaphthylene\_\_\_\_\_ | 606-20-2----2,6-Dinitrotoluene\_\_\_\_\_

IU 750

١IJ 750 ! U 750 IU 750 111 750

(U 750 IU 750 750 10 750 1 U

I U 750 (U 750 IU 3600 I U 750

750 10 HU 750 HU. 750 H 750. 111 750

11) 750 111 750 750 111 ILI 750 3600 Ш

IJ 750 HU. 3600 111 750 10 750

750

111

1/87 Rev.

EPA SAMPLE NO.

D = 9S = 1

lame: WEYERHAEUSER

Contract: MCCOURT

ab Code: WEYER

Case No.: 03629

SAS No.:

SDG No.: 55890

atrix: (soil/water) SOIL

Lab Sample ID:

55895

BN0920F

imple wt/vol:

30.0 (q/mL) 8 Lab File ID:

Date Received:

08/30/90

avel: (low/med)

Moisture: not dec.

Date Extracted: 09/07/90

traction:

(SepF/Cont/Sonc)

LOW

12

SONC

Date Analyzed:

CONCENTRATION UNITS:

09/21/90

'C Cleanup:

(Y/N) Y

pH:

dec.

Dilution Factor: 0.50

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG (:]3600 1U | 83-32-9----Acenaphthene 750 11 3400 10 ! 100-02-7-----! 3600 ! [] | 132-64-9-----Dibenzofuran\_\_\_\_| 750 111 750 14 | 84-66-2----Diethylphthalate\_\_\_\_! 750 L) } | 7005-72-3----4-Chlorophenyl-phenylether\_\_\_! 750 : U 86-73-7-----Fluorene\_\_\_\_ 750 10 3600 IU 1 534-52-1-----4,6-Dinitro-2-Methylphenol\_\_\_! 3600 HU | 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_ 750 111 | 101-55-3----4-Bromophenyl-phenylether\_\_\_\_| 750 IU ! 118-74-1----Hexachlorobenzene\_\_\_\_! 750 ١U | 87-86-5----Pentachlorophenol\_\_\_\_| 3600 l U 85-01-8-----Fhenanthrene\_\_\_\_ 750 ! U | 120-12-7-----Anthracene\_\_\_\_\_ 750 I U | 84-74-2----Di-n-Butylphthalate\_\_\_\_| 750 IU 1 206-44-0----Fluoranthene 750 IU 750 ŧU. | 85-68-7----Butylbenzylphthalate\_\_\_\_\_ 750 1U | 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_| 1500 HU | 56-55-3----Benzo(a)Anthracene\_\_\_\_\_\_ 750 18 | 218-01-9----Chrysene\_\_\_\_ 750 ΙU | 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_| 750 (U 750 ŧШ 205-99-2----Benzo(b)Fluoranthene\_\_\_\_ 750 111 207-08-9-----Benzo(k)Fluoranthene\_\_\_\_\_ 750 ١U i 50-32-8-----Benzo(a)Pyrene\_\_\_\_\_I 750 HU | 193-39-5-----Indeno(1,2,3-cd)Pyrene\_\_\_\_| 750 1U 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_\_ 750 10 191-24-2----Benzo(g,h,i)Perylene\_\_\_\_\_ 750 (U Cannot be separated from Diphenylamine

### SOIL SEMIVOLATILE SURROGATE RECOVERY

b Name: WEYERHAEUSER

Contract: MCCOURT

de: WEYER Case No.: 03629 SAS No.:

SDG No.: 55890

evel:(low/med) LOW

				<u></u> .														
- 1	EPA		ទរ	1	S2	ł	93	ł	94	1	S5	i	<b>S</b> 6	. –	THER	i	TOT	i
ì	SAMPLE	NO.	(NBZ)	排 (	(FBP)	# 1	(TPH)	) # l	(PHL)	# {	(2FP)	#!	(TBP)	# 1		10	)UT	1
					70 CE 3M 60 1	===	na na 122 227 :	==== }		:::::::	1552 ESS 1553 ESS 1553	==	na 150 250 551 155	=   =	하다 살라 다가 다른 기가	} ==	# ### <b>##</b> #	1
01 1	D-68-1	1	93	}	83	;	61	:	81.	í	87	ţ	78	ŧ		1	0	i
	D652	1	102	i.	87	:	81	į	89	<u> </u>	104	1	73	1		!	O	1
	D-7S-1	1	42	i	109	į	112	1	89	i	84	Ş	60	1		ļ	O	1
	D-7S-2		79	1	76	į	73	;	84	ļ	85	1	111	1		ŧ	O	ł
	D-8S-1	1	95	1	90	1	81	;	87	1	94	1	89	i		1	0	;
	0-99-1	:	101	1	83	1	97	ţ	88	1	99	1	84	1		1	O	1
	D-95-1MS	i 1	100	;	79	1	76	1	93	1	88	1	93	1		í	0	I
- • • •	SBLKS1	_ ·	70	;	92	1	102	¦	46	ļ	65	ŧ	46	į		1	O	ł
!		1	1	1		1		1		{		1		_   _		!_	m	1

			and the second	0.0	C LIMITS
81	(NBZ)	::::	Nitrobenzene-d5	(	23-120)
<b>S</b> 2	(FBP)	===	2-Fluorobiphenyl	•	30-115)
83	(TPH)	122	Terphenyl	(	18-137)
<b>S</b> 4	(PHL)	==	Phenol-d5	(	24-113)
95	(2FP)	122	2-Fluorophenol	(	25-121)
			2,4,6-Tribromophenol	(	19-122)

<sup>#</sup> Column to be used to flag recovery values

<sup>\*</sup> Values outside of contract required QC limits

D Surrogates diluted out

	Ayla Bases	TYTICAL TYTICAL	LABORA	ORY SE	BYIC esting	ES REQUESTU	Sh	Request Number: 03644		
weyernaeus			N SAMPLES	WORK OF		90-3057 ·				
luk . of	f Samples:	12		Project Num	mber:	045-8727	Groups:	oups: 0,1,3,4		
Date Rece	eived: 09	9/04/90		Date Desire	ed: 0	9/11/90	Estimate	Estimated Completion Date: 09/11/90		
Submitted		EGEDUS, J	EFF		Locat	ion: OLYMPUS ENV.		Telephone:		
Reviewed		ATALANO,	Dennis		Locat	ion: 2F 25	Te lephone: 924-6242			
		MC COURT	- WTC 2H4		I					
Sample D	9	n and History			sul:	13 for some ed since the s the final m	met e int etals	ials have bun from report. report and it is	i lin	
Group	Series	Test Code	Test Descript	ion .						
			Report Range	Report B	asis	Lower Limit of Sensitivit	ty			
0 1 (	A B B	BIOASSA' BNA-S VOA-S BNA-W	Y Bioassay BNA on s VOA by G BNA on w	olids C/MS on		ish Lab ds method 8240		EST(S) ADDED 9/7		
		ered stea	ve top sean	F2(-5-10)	e Linj	may Univide		o/ auulu,	/7	
4	D	PH−₩	pH of wa	iters				-	•	
Samp le	Number	Series to B	e Evaluated			Submitter's	Designatio	on.		
559	975 976 977	A A A		W1DUP* WW7* C3DUP*	8-3 8-3	1 1645 1 1650 1 1638	•			

Sample Number	Series to Be Eva	luated		Submitter's Designation	
55975 55976 55977 55978 55979 55980 55981 55982 55983 55984	A A A BC BC BC BC BC BC	WW7* C3DUP* S2DUP* W1 S2 C3 WW5 CP4	8-31 1645 8-31 1650 8-31 1638 8-31 1620 8-31 1510 8-31 1518 8-31 1528 8-31 1555 8-31 1538 8-31 1605		
Interim Report	Desir <b>e</b> d?	Hazardous Samples? Y	es No		
ence:	Record Book:				
Results Approved Mary Printed on: 09	Leth flo	MZK	Date: 09/17/9	Signature applies to attached pages	Page Number:

A

### **ANALYTICAL LABORATORY SERVICES REQUEST**

Research and Development - Analysis and Testing

Request Number: 03644

ile Number

Series to Be Evaluated

Submitter's Designation

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

Printed on: 09/07/90

Page: 02

## WEYERHAEUSER COMPANY ANALYTICAL LABORATORIES ATOMIC SPECTROSCOPY Tacoma, WA

## Olympus Aberdeen Samples SR03644 Metals Analysis

	55979 W1	55979 Duplicate	55980 S2	55981 C3	55982 WW5	55983 CP4
<b>Element</b>		(mg/	kg, as 1	received)		
Ag	2 -	2	2	2	3	2
Al	28400	30100	22700	20200	28100	25700
As	< 5	< 5	< 5	< 5	< 5	< 5
	99	105	45	67	91	79
Ba	< 1	< 1	< 1	< 1	1	< 1
Be	2120	2640	3470	4510	4080	2680
Ca	< 1	< 1	< 1	< 1	< 1	< 1
Cđ	12	13	15	14	19	15
Co	20	25	27	27	44	24
Cr	41	42	68	63	48	39
Cu	19400	22100	26300	23300	30900	22800
Fe 	216	243	521	266	352	347
K		3630	4280	3900	5050	3910
Mg	3200	240	351	361	363	393
Mn	214	487	224	217	353	229
Na	391	19	23	19	. 23	20
Ni	18	5	29	697	< 5	18
Pb	< 5 -		< 5	6	7	< 5
Sb	< 5	< 5	< 10	< 10	< 10	< 10
se	< 10	< 10		< 10	< 10	< 10
$\mathtt{Tl}$	< 10	< 10	< 10	72	88	65
v	58	66	73	143	42	81
Zn	38	42	123	T#3	4.0	

Approved Many Beth Janza

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
Cđ	<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
T1	<500
v	699
Zn	1580

Approved Mary Beth Janza

Notebook\_\_\_\_

ANALYTICAL LABOR	<u>Analysis and</u>	resung		Request Number: 03693		
Title: ABERDEEN SAMPLES FOR B Number of Samples: 7		EMIVUA Number: 045-8727	Groups:	0,1,6		
Date Received: 09/07/90	Date Des	ired: 09/17/90	Estimat	stimated Completion Date: 09/17/9		
Submitted By: MC COURT, MICK		Location: WTC 2H4		Telephone: 6513		
Reviewed By: DOXSEE, Kari	Location: 2F 25	Location: 2F 25				
Сору То:						

Sample Description and History:

1L ORG'S

Group	Series	Test Code	Test Descripti	on							
	<u> </u>		Report Range	Report Basis	Lower Limit of Sensitivity						
0	A B			- Send to F	ish Lab times wheel.						
Sample	Sample Number Se		e Evaluated	<del></del>	Submitter's Designation						
56 56 56 56 56 56	355 356 357 358 359 360 361	AB AB AB AB AB AB AB		WEY-AB-NP-1 WEY-AB-NP-1 WEY-AB-NP-1 WEY-AB-NP-1 WEY-AB-NP-1 WEY-AB-NP-1 WEY-AB-NP-1	-2						

Interim Report Desired?	Hazardous Samples? Ye	s	No		
Reference:			-		Record Book:
Results Approved: Kaiil	Doksee	Nate: 7-/3	_90	Signature applies to attached pages	Page Number:

Printed on: 09/07/90

Page: 01

93160524



# **A** Weyerhaeuser

September 13, 1990 Date

Dennis Catalano From

Tacoma, WTC 2F25 Location

SR# 03693 Aberdeen Samples For Bioassay and Semivolatiles Subject

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. we can be of assistance in the future.

Dennis 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.
- 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.

#### SGIL SEMIVULATILE SURROGATE RECOVERY

ab Name: WEYERHAEUSER

Contract: MCCGURT

bode: WEYER

Case No.: 03693 BAS No.:

SDG No.: 56355

evel: (low/med) MED

**** *** **** : (a * * ) be man erry from a	** *** *** ***					\$100.00 (\$100.00 P-00.		APRIL - 102 611 50 - 102 1974 1974	****				en aktor aften erök blagt jagga fallfa f		•	
EPA	ŧ	S1	i	92	1	63	į	94	ļ	93	ļ	-	-	1 7	COT	:
I SAMPLE NO.		(MBZ)#	i	(FBP)	î i	(TPH)	1	(尸相,)林	į	(2FP)#	1	(TEF)#		ŧĘ.	H.IT	ŀ
and divinity the ordinar describes the con-	20 ust   s		1	2011:1 A. 150:	au l	510 Mai (14 154 E4 E	13 }	24 12 Me (11 p. 1	1		:	and the second second	the me the spicetives	#	une en	\$
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OSTABNP12DC	Ì	79	ļ	104	Ş	음복	ţ	8	1	1.14	8	23	ī	į	O	:
O4TABNETS	1	45	1	89	:	85	1	ă B	1	79	į	64	! -··	i	Ö	1.
OSTABNETIBLE	F.	94	į	102	4	86	į	84	1	87	;	8.5	<u> </u>	ţ		;
061ABNP14	:	99	į	94	3	94	!	83	1	30	ì	88	}	1	()	1
07:APMP15	!	100	,	91	i	87	3	<b>E</b> (3	į	F10	į	85	,	1	$\circ$	ţ
OB! ABMP 15DL	1	100	!	105	1	91	\$	96	ì	91	:	87		į	0	1
OPTABNP16	1	99	!	95	ķ	89	ļ	87	1	8335	i	85	· •	į	$\mathbf{O}$	ļ
101ABNP17	;	88	Ī	8 <b>9</b>	ţ	90	1	72	1	దక	į	100		1	0	1
111ABNP17DL	į	63	ļ	91	3	74	ļ	66	í	<- 1 × 1	ţ	73	ł	÷	$O_{-}$	1
121WW7	!	101	;	96	ţ	92	}	6345	ì	81	1	97		1	0	<u> </u>
13:ABNP11MS	į	111	į	96	į	85	į	36	ì	92	1	99	t.	ţ.	C	Ì
1419BLK91	į	99	!	97	į	93	ì	83	ì	84	ì	82	1	į	$\Theta$	•
!	,		:		. !				1	Atom and sign form to a coll	;		i i	ŧ		ŧ

			· ·	OC LIMITS
Si	(NBZ)	5.41	Nitrobenzene-d5	( 23-120)
52	(FBP)	t.m	2-Fluorobiphenyl	(30-115)
83	(TPH)	2.3	Terphenyl	(18-137)
84	(PHL)	72	Phenol-d5	(24-113)
35	(2FP)	âñ	2-Fluorophenol	( 25-121)
So	(TBP)	174	2,4,6-Tribromophenol	( 19-122)

<sup>#</sup> Column to be used to flag recovery values\* Values outside of contract required QC limits

D Surrogates diluted out

# SUIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

TO MUDICIE WEIVERHAEUSER

Contract: MCCOURT

ode: WEYER Case No.: 03693 GAS No.:

SDG No.: 56355

strix Spika - EPA Sample No.: ABNP11

Level: (low/med) MED

	) 530 (KZ		SAMPLE	 MS constructions	remi	MB 7.	T GG T
COMPOUND	( ADDED ( (ug/Kg)		(vin Akre)	 CONCENTRAT	-	REL	#1 REC. 1
P):=nol  2-Colorophenol  1.4-Dichloropenzene  N-Nitroso-di-n-prop.(  1,2,4-Trichloropenzen  4-Chloro-3-methylphen  4-cenephthene  4-Nitrophenol  2,4-Diostrotoluene	160000 116000 84200 1): 84200 e: 84200 ol:168000 1160000	eco Control	C C C C C C C C C C C C C C C C C C C	142000 134000 79500 83800 86500 141000 75800 114000		83 80 94 100 103 84 90 86	(26-70) (20-109) (28-104) (41-126) (36-107) (26-103) (31-137) (41-137)
Portachlorophenol Py: ene	PLOBULAU Partition of the control of	; ;	3410 0	   122000   87000 		103	

OMEQUINA	SPIKE : ADDED : (ug/kg)	I MSD ICONCENTRATION (ug/Kg)	1 186	C #1		GC LIMITS RPD   REC.
Fhenol 2.Chlorophenul 1,4-Dichlorobenzene 4-Mitrosc-di-n-prop.(1) 1,2,4-Trichlorobenzene 4-Chloro-3-methylphenol Acenaphthene 4-Nitrophenol 2,4-Dinitrotoluene Pentachlorophenol Pyrene	50.0 50.0 100 100 100 100	্	-95	0 * 1 0 * 1 0 * 1 0 * 1 0 * 1 0 * 1 0 * 1 0 * 1 0 * 1	200 *: 200 *: 200 *: 200 *: 200 *: 200 *: 200 *: 200 *: 201 *:	35   26 - 90   50   25 - 102   27   128   104   38   141   126   23   136   107   33   126   103   19   131 - 137   50   111 - 114   47   126 - 69   47   117 - 109   36   133 - 142   36   133

JHS 9/13/90

# (1) N-Nitroso-di-n-propylamine

Column to be used to flag recevery and RPD values with an asterisk Values outside of QC limits

PP: 11 out of 11 outside limits pike Recovery: 11 out of 22 outside limits

56355 ABNP11 (MED) OMNENTS:

40(2)320@8(4) INST=FINN2

EMALEONNELE ....

None: WEYERHAEUSER Constraints MedSautt Case No.: 03493 508 No. 1 SDS No.: 56365 Content MEYER 56355 Lan Sample ID: strik: (spil/water) SOIL MELF COMER Last Files Int male etizatt 2.5 (g/al) S 09/07/90 Date Recalved: furnish rangel Date Extracted: 09/10/90 many seems on the treatment of the cisa. Opic Analyzed: 09/11/90 (tsauf/Cont/Sanc) SONC the Burthampier M. The married to (Y/N) N 11:15 6.4 bilation Factor: 1.0 CONCENTRATION UNITE: (ua/L or ug/Kt.) UG/KG . ) DAME BUILD COMPGUND 1 109-93-2----Phenol 14000 10 111-44-4------bis(2-Chloroethyl)Ethe 14000 { L} 14000 1. | 54:-73-1----1,3-Dichlorobenzene\_\_\_\_! 1.1 14000 14000 111 100-51-6-----Benzyl Alcohol 14000 :U : 11 14000 : 95-46-7-----2-Methylphenol\_\_\_\_\_ 111 14000 : 108-60-1----bis(2-Ohloraisapropyl)Ether\_\_\_ 14000 10 113 106-44-5-----A-Methylphenol 14000 1 621-54-7----N-Nitrosc-Vi-n-Fropylamina\_\_\_( IU 14000 14000 111 111 14000 14000 11: 14000 : 11 105-67-9----2,4-Dinsthylphenol\_\_\_\_ 111 14000 55-85-0-----Benzoic Acid\_\_\_\_\_I 66000 :13 111-91-1-----bis(2-thlorosthoxy)Methanc\_\_\_i : 13 14000 120-83-2 ----2,4-Dichlarophenol\_\_\_\_\_\_ 14000 HÜ 14000 HU 120-82-1-----1,2,4-Trichlorobenzene\_\_\_\_! : 13 ?1-20-3----Waphthalene\_\_\_\_! 14000 1 106-47-3-----4-Chlorasmiline\_\_\_\_\_ 1400C 110 87-58-3-----Hexachlorobutadiene\_\_\_\_\_ : 13 14000 59-50-7-----4-Chloro-3-Methylpheno)\_\_\_\_\_ 14000 Ui | 91-57-6----2-Methylnachthalene\_\_\_\_\_ 14000 11 77-47-4-----Hexachlorocyclopentadiene\_\_\_\_\_ 14000 : 15 88-04-2----2,4,6-Trichlorophenal\_\_\_\_ 14000 111 68000 [1] 1 91-58-7----2-Chloronaphthalene\_\_\_\_ 14000 10 ! 88-74-4 --- 2-Nitroan; line :: 68900 [ ] ] 131-11-3----Dimethyl Phthalate 14000 Ш 208-96-9 -----Acenaphthytene 14000 111 606-20-2----2,6-Dinitrotaluene 14000 111

the course of the second design of the members discovered in the company was interested for the contract of the

ASNP11

Name: WEYERHAEUSER Contract: MCCOURT

dede: WEYER Case No.: 03693 SAS No.: 508 No.: 56358

-- ruis: (soil/water) SOIL Lab Sample IO: U6355

and the wilder of the state of

tivel. (low/med) MED Date Received: 09/07/90

reinhure: not dec. 21 dec. Date Extracted: 09/10/90

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/11/90

T. Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

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

			!	1
ABS Sec. 1970 and Observations are the con-	S-Nitroaniline	69000	i U	;
	Acenaphthene	14000	ιU	<u> </u>
	2,4-Dinitrophenol	68000	11.	<u> </u>
	4-Nitrophenol	68000	l	į
	Dibenzofuran	14000	H	1
	2,4-Dinitrotoluene	14000	111	ì
** *** ***	Diethylonthalate	1,4000	111	1
54-00-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		14000	( )_1	1
	Fluorene	14000	Ц	ş ì
		48000	£ 1, [	1
	4,6-Danitro-2-Methylphenol	68000	HU	i
> 54 · O 2 · 1 · · · · · ·		14000	W	į
		14000	(U	!
		14000	i	
*** *** ***	Hexachlorobenzene	3400	1	ţ
	Pentachlor ophenol	14000	1 1 1	ì
	Prementhrene	14000	iU	}
	Anthracene	14000	11.1	•
	Di-n-Butylphicalate	14000	1 L3	!
• • • •	Fluoranthene	14000	H	;
129-00-0	The second secon	14000	11.1	į
	Butylbenzylphthalate	28000	(1)	i r
	3,3'-Dichlorobenzidine	,,, 24 to 4 t	147	;
	Benzo(a) Antimaceme	14000		1
		14000	ILI	:
	bis(2-Ethylhexyl)phthelate	14000	Ш	i
117-84-0	Di-n-Octyl Phthalate	14000		į.
203-99-2	Benzo(b)Fluoranthene	14000	HJ	1
207-08-9		:4000	111	1
50-37-8	Benzo(a) Pyrene	14000	IU	ì
193395	Indeno(1,2,3-cd)Pycene	14000	11:	1
		14000	(L)	į
	Benze(g,h,i)Perylane	14000	11)	1
attention of the second of the	the second of th		:	ļ

<sup>1) -</sup> Cannot be reparated from Dinhenylamina

] |-

EPA SAMULE /ILL

SEMINOLATILE URGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

ABNELL

Code: WEYER Case No.: 03693 SAS No.: SDG No.: 56358

strix: (scil/water) SOIL Leb Sample 1D: 56355

comple wt/vol: 1.8 (g/mL) 5 Lab File 1D: 25N09118

lvel: (low/med) MSD Date Received: 09/07/90

Poisture: moi dec. C1 dec. Date Extracted: 09/10/90

traction: (SexF/Cont/Sonc) SONC Date Amalyzed: 09/11/90

Po Dieanup: (Y/E/ N pH: 6.9 Diletion Factor: 1.0

New Tipe found: 0

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

CAS NUMBER COMPOUND NAME RT EST. CONC. O

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

( Name: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER Case No.: 03693 SAS No.:

SDB No.: U6355

estix: (soil/water) SOIL

Lab Sample ID: 56356

coule wt/vol: 1.1 (g/mL) G

Lab File ID: 28w09i1K

w el: (iow/med) MED

Date Received: 09/07/90

emisture: not dec. 22 dec.

Date Extracted: 09/10/90

\_ raction: (GepF/Cont/Sonc) SONC Date Analyzed: 09/11/70

- Cleamp: (Y/N) N pH: 5.9 Dilution Factor: 1.00

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

	cas NO.	COMPOUNO	iug/L	CHT I	ug/Kg)	UG/L	Ø	
	The State of the same of		:		!		;	<b>!</b>
		· · · · · · · · · · · · · · · · · · ·			1	23000	<b>]</b> [_;	ŧ
	108-95-2	-Phenol	na na anema en meron. L'Esta les esper			23000	ΙÜ	I
	111-44-4	-bis(2-Chlorosthyl	ZECTION NO.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	23000	111	l
	95-57-9	2-Chlorophenol				23000	10	ł
	541-73-1	-1,3-Dichlorobenze	1 W	Ann		23000	; (_)	į
•	106-46-7	1,4-Dichlorobenze	(.16:	, with 71-	······································	23000	10	į
!	100-51-6	Benzyl Alcohol	and the state of t			23000	11)	1
;	95-50-1	-1,2-Dichlorobenze	ue		<sup>7</sup>	23000	IJ	1
ŀ	95-48-7	2-Methylphenol			······································	23000	i Li	:
!	108-60-1	bis(2-Chloroisopr	obarier	1163		23000	[ ]	<u> </u>
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•	1 mg 1519 1	Hexachloroethune_			*	23000	i U	į
:		Witrobenzene	promp with my marks are to be and beautiful.			23000	: [ ]	ì
, į	TIST WOOD A SHEET OF SHEET	Isonhorone			· · · · · · · · · · · · · · · · · · ·	23000		•
?	- Price St mg matter, \$40 and make a management					23000	15)	
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,	a person of the contract of th	Beserveir Arid					10	i
!	454.204	hie (2-Chloroethox	y)Metha	artea_	n,, 1841*	23000	i i i	ł .
;	e commence to the state of the second		A de service description de la sough de marie de	m		23000	11)	,
:	9 72 Charles Dan 1	i.2.4-Trichlorobe	wrene"'			23500	14	,
i t	Continue The same	Nachthalene				23000		i
i	A Call and Was William as an arm on	4-Chloroaniline			i	23000	14	
1	10.7 of Charles American areas	Hexachlorobucadie	21168			53000	: Ú	<u>.</u>
;		4-Chloro-3-Methy)	.phenol_	4, : +-		23000	1 1 1	
:	01 507 /	2-Methylnaphthale	ne			23000	112	i
:	The second second	Hexachlorocyclope	entadies	( <del>(</del> 2	1	23000	111	l
:	7/-4/-4	2,4,6-Trichlorop	ienal		1	23060	11.	
	PE-CG-Z-	2,4,5-trichlaroph	renol		<u> </u>	110000	:0	1
:	Grand Control		@ (Tyles		1	23000	i L	(
ž	The state of the s	2-Nitroaniline	many root to be done	14w1 124 1 1 1 1	1	110000	: (:	;
ì	89-74-4	Dimethyl Phthala			i	ZENÇÖ	110	ì
1	131-11-5	and the second second second second	and him did only also spire than	\$4564 \$4744 <b>4-1</b>	5 6	23000	11.	
;	200-54-0	Acenaphthylane	an anne en en en en en en en en en en en en		,,,,, ,,,,, ,,, ,,, ,,, ,,, ,, ,, ,, ,,	23600	112	1
3	400-X0-X	2,6-Binitrotolue	7 - was seen plus and their	*** * ** ** *****			*	1

i Ne	ame: Wh	EYERHSE	DSER	Contract:	MCCGURT		ABNETE	
. Cc	ode: Wā	EYER	Gase Mour 03840	SAS No. :		808 No	.: 563	V.M.
erri>	(z (egi	lizwatem	r) SOIL	Į	.ab Sampi	62 112: 13	6356	
·pic	: wt/vc	:1:	1.1 (g/mi.) S	i.	.eb File	%35 B	LINO911	8C
eri :	(1	: Otav mest	) MED	Ţ	Jate Reca	itywa: G	7/07/4	c
ج ويه	\$11.13\$1.144.2	net der	ta 20 deces	Ĭ.	Daie Ext	scied: 0	971079	1.)
'r'ac	reicht.	(dept	F/Card:/Sanc) St	JKC (JAK	)who Anal	yzed: 0	971179	Q
: CI	essentija r	(V)*	W) M pods	E. C	si lacai on	Fautori	i (M)	
	CAS F	10.	COMPOUND		ROTION () or ag/Kg)	4.5	C)	
:	99-05	) <u>Se</u>	B-Nitroan:line	y	; !	110000	1	•
1	83-32	<u> </u>		* ************************************		23,000	·	÷
î	51-24	} <u>K</u>	2,4-Distbrophe	noi	\$	110000		
	100-0		4-bittraphenol	1. 2. A grant, and		110000	IU	:
	132-6	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Dibenzoferan_	t derlijk de gen ver en tellen opdeld mile in gemint gen i e melige blijmen meg	1	23000		!
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1	96-73			part of the second section of the		23000	iŭ	į
ş	100-0	1-6		e madyn chong demonstrating hallet hadred agendig. South Hendlichere häben	. Art. & court of arts traces.	:10000	: ਹੁ	ì
1	534~5	<u> </u>	4,6-Dinitro-2-	Methylpheno	1 1	1:0000	íÜ	ė.
:	86-30		N-Nitrasodiphe	nvionine (1	) [	23000	i ij	:
?	101-5	Figure 1. Comment		phenylather	1	23000	1 (.)	
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į	- 37-E&	6	·····	nol	:	5000000	1.5	į
<b>:</b>	85-01		Phenanthrene		į	2700	: J	•
i	120-1	The second section will be	Anthraceie		<b>,</b>	23006	HU	:
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ŧ	206-4	4 0	Fluoranthene		ì	2900	Ιď	1
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1	91-94	]	3.3'-Dicalorea	enzidine	•	46000	18.	1
ŧ	- 56-55	~~~ <u>``</u> }~~.~~~	Benzo(a/Anthra	cene	1	23060	141	1
i Ť	218-0	19	Chrysene		!	23000	: ()	Ì
1	117-8	j "/	bis(2-Ethylhex	vi)phthalat	ee l	2600	(3	:
;	117-9	q-Q	Di-n-Octv1 Pht	halate	1	23000	W	ŧ
į	205-7	9-2	Berzo(b)Fluora	nthene	[	23000	10	1
!	- 2070(	(g) - 19	Benzo(k)Fluora	nthene	à	23000	113	i
į	50~32		Bonzo(a)Fyrene		1	23000	( [.)	į
	193-36	Qui Quin man	Indepo(i,2,3-c)	d)Pyrene	1	23000	143	1
<b>!</b>	43-70		Dibenz (a.h) Ant	hracene	!	213000	(ii)	;
			Benzo(n,o,i)fe		,	23000	11.1	

### SEMIVOLATILE ORGANICS ANALYSIS DATH SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: MCCCURT Name: WEYERHAEUSER

海阳静度

Case No.: 03693 SAS No.:

SDG Ma.: 04350

trix: (soil/water) SOIL

Lab Sample ID: 36336

and/e wt/vol: 1.1 (g/m) 6

Lab File ID: 20040911K

vel: (low/med) MED

Date Received: 09/07/90

Hoisture: not dec. 22 dec.

Date Extracted: 09, 10/90

Codes WEYER

Eraction: (Sepf/Cont/Senc) SONC

Date Analysad: 09/01/90

O Cleanup: (Y/N) N

pH: 51

Dilution Factor: 1977

umber TICs found: 18

CONCENTRATION UNITS: (us/L or ug/Kg) U9/L

		<b>\$</b>	3		<u>.</u>	:	ţ
P275.C	; NUMBER	COMPOUND NAME	ţ	程等	; cer. com.	1 0	4
5,440	3 - 150 mai 15	The same provided important and the section of the specific provided and the section of	:   =	"A change broom that has been been a the ming-	$\frac{1}{2}$ interpolation above to $\lambda$ . We have	m   manufacture	. [
	man ganaman manaman manaman sa kalanda	(2(1H)-WUINOLIMONE					:
		IUNDECANE, 3.8-WIMETHYL-				XU	Ì
	The state of the s	A DOMESTIC TO A CONTROL OF THE PROPERTY OF	į	17.55	25000	Σŭί	1
×.	77.500-985-9	IDODECANE, 2,7,10-TRIMETHYL-	- }	18.64	450,000	$1.7 \times$	;
·, )	56-90-2	THENOL, 2,3,4,5-TOTRACHLORG	•	19.12		JJX	}
		TUNEMUM!	,		•	LUX	:
₽.	10463-10-2	DENSENE, PENTACHLEMOETHOXY	•			1.J.X	
į.	6738-04-1	11,1'-BIPHENYL, I-PHENOXY-	. 1			ыdХ	
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		A STATE OF THE PARTY OF THE PAR	}		aport programme management report management and programme programme programme programme and programme pro	'	

EFA SAMPLE NO

ABNE 120E

Name: UEVERHAEUSER Contract: MCCOUKT Code: WEYER Case No.: 03693 SAS No.: SDB No.: 54355 Lab Sample ID; 56356DL strixs (soil/water) SOIL orgice wi/vola 1.1 - (g/aL) G Lab File ID: 2BN0911L engles ( (low/med) Date Received: 09/07/90 End b Extracted: 09/10/90 Anistere net det. Chart . SONO Date Amelyzed: 09/11/90 America consi (NepF/Cant/Sanc) (Y7M) N 5.9 Dilution Fector: 20 C. C. STREET Orla CONCENTRATION UNITS: CAG NO. CUMPOUNO (ug/L or ug/Kg) US/L  $\cdot$   $\cdot$   $\cdot$ 198-95-2- Commence of the first of the second of the secon 4600000 U 460000 111 95-57-9---2-Chlorophenoi\_\_\_\_i H 440000 460000 : 11 460000 113 100-51-6----Benzyl Alcohol\_\_\_\_ 460000 111 95-50-1----1,2-Dichlorobenzene 460000 111 95-48-7-----2-Methylphenol\_\_\_\_\_ 460000 1 109-40-1-----bis(2-Chloroisopropyl)Ether\_\_f 460000 111 460000 113 621-64-7----N-Nitroso-Di-n-Frepylamine\_\_\_\_ 460000 lU 67-72-1------ilexachloroethane\_\_\_\_i Ü 460000 98-95-3----Nitrobenzene 460000 10 78-59-1----Isopherene 460000 111 89-75-5----2-Mitrophenol\_\_\_\_ 460000 111 460000 111 2200000 113 1 111-91-1----bis(2-Chloroethoxy)Methans .... 460000 :13 120-83-2----2,4-Dichlorophenol\_\_\_\_ 460000 10 120-82-1----1,2,4-Trichlorobenzese\_\_\_\_ 460000 113 91-20-3-----Naphthalene 460000 10 106-47-8-----A-Chloroaniline\_\_\_\_ 111 450000 97-68-3-----Hexachlorobutadiene\_\_\_\_ 460000 111 59-50-7-----4-Chloro-3-Methylphenol\_\_\_\_ 460000 1 91-57-6----2-Methylnaphthalene\_\_\_\_ 460000 111 450000 | 83-06-2----2,4,6-Trichlorophenol\_\_\_\_\_ 460000 111 72000 100 91-69-7----2-Chloronaphthalene 4500000 111 22000000 : 11 ! 131-11-3----Dimethyl Phthalate 450000 111 1 208-94-9 ---- Acenaphthylene\_\_\_\_\_ 460000 1.1 606-20-2----2.G-Dinitrotoluene 460000 16

. Вистим мару мину, по напороднати старине, по се е досербение и смере и смере богам билисть роли стой стане из

(1) - Carrot has sensonated error identerry and re-

MENTALITY OF THE ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

. H. Name: WEYERHAEUSER

Contract: MCCCURT

Code: MEYER Case No.: 03693 SAS No.: SDS No.: SDS No.: S6355

etrix: (soil/woter) SOIL

Lab Sample ID: 56356DL

ample wi/volt 1.1 (g/mL) 6 . Lab File 1D: 2BN0911L

evel: (low/med) MED

Date Received: 09/07/90

Dale Extracted: 09/10/90

traction (SepF/Cont/Sonc) SOMC

Data Analyzed: 09/11/90

Muisture: not dec. 22 dec.

PL Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 20

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

Laber TiCs Found: 0

CAS NUMBER : COMPOUND NAME | RT | EST. CONC. | Q |

The second transform and the leading of the control

1/87 Bev.

· · · · · · · · · · · · · · · · · · ·	新进行的。 (1987年) 1987年(1987年)。 (1984年)
SERO VOLATILE OPCHANICE AMPLYSI	B DATA SHEAT
	498213
	ord machine MOGGURS
Towards WE /ERHALLIGER	EFFE FORE LEE VERHALISTE V
( .one: WEYER   Case No.: 08655	SAS No.: Sp8 No.: Selection
server (soll/water / SDIL	Lab Hample ID: USBS7
/1: Rt/vol: 1.4 (g/mL) 6	Lab Fire 10: YEMGV:10
(low/med) MED	Gate Neceived: 05/07/90
the ture: not den. is den.	○益、食、養食食物素は食品が、同じてきた人物が、
ng na p <b>isirans — (SapF. Co</b> odu/Bo. Co — codMC	Octo enalyzad. (99.1.790
er Clamapt - WMA M - pM: S.	g. Delimin facion films
	PORTEWHENTION UNITE:
man www. companies	$(\omega_{g}/L)$ or $\omega_{g}/Kg$ ) UG/KG $=$ $=$
canpains	
the state of the second of the	1700 ile
15 July 4 to s. (2-Chloractny	1)Ether 17000 (U)
25-87-82-Chlerophenot	17000 IU
541-73-1	ene 17000 IU .
106-46-7	ane 17000 IU I
The form of form of more more more more and the first that the first that the contract of the	Spin F * See
1 100-51-6 Ewaryl Alcohol	maker of grant today group order a grant during and a grant is group of drapp distant maker
): 95-50-11,2-01chloroban	Age of the second secon
( ) 95-45-7	A LOUIS AND THE PART WAY I BY A CONTRACT OF THE PART O
108-60-1bis(2-Chlorouse)	SE Supply 1 do 2 to the time
10A-44-5	17000 111
. 621-64-/	ropylamine 17000 tu
67-72-1Hexachiarorthan	3/000
98-98-3Nitrobenzens	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
re-sell	17700
88-75-5 2-81 crapterol	
105-67-92,4-Dimethylphen	17000 11
AS-98-0Bearoic Acid	82000 IU I
1 111-91-1	West transce   17000 III
	17000 FJ
120-81-22,4-Dichlorophe	A Signal and the same and the same are the same are got order a same organic
120-82-11,2,4-Trichlord	4 CO 3 4 Fe William A Company and and a company and a comp
1 91-20-3 Washthalene	and there are also have the acts have the second and the second and
1 106-47-34-Onlocoandline	top court tiling year rough grown or to the colored court rough state them.
1 87-68-3	L. Carl S. N. Santa norm near house norm near near near near near near near
59-50-7	
1 91-57-62-Methylnaphtha	lene   17000     17
77-47-4	sentadiene  17000   W
1 89-05-2	chemol 17000 IU
j je jela	phanol 22000 III i
91.59-1	
Eggs 74-6 P-Witr Cathirts	
1 Isi-il-2	gargi am g. un dayan, minin meryin ganning digipth attige, to an option graph) among states.
	The second second section is the second seco
1 208-96-8 An except thylene	the above that they were a beginning to the service
( )   606-20-2	MALESCO CONTROL CONTRO
· ·	the second section of the second section of the second section of the section of the second section of the section of the second section of the section of

## SEMIVOLATILE ORGANIOS ANALYSIS DATA SHEET

of Name: WEVERHAEUSER Contract: MCCOURT

- Code: WEYER Case No.: 03693 SAS No.: SDG No.: 56355

strik: (soil/water) SOIL Lab Sample ID: 56357

empte wi/vel: 1.4 (g/mL) 6 Lab File ID: 28M091iD

Date Received: 09/07/90 avea: (trow/med) MED

Moissure: not dec. 16 dec. Date Extracted: 09/10/90

Straction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/11/90

PC Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.00

		CONCENTRATION UNITS:						
	CAS NO.	COMPOLIND	(ug/i. cr	ug/Kg)	UGZKG	Q	ł	
:			•			<i>t</i> .	,	
į	99.09.0	3-Nitroaniline_			82000	W	;	
-	83-334-9	Acenaphthene	a man dodno more & om mend men state to the same dam of		17000		į	
:	51-26-5	2,4-Dinitropher	ol		82000	HJ	}	
f	100-02-7	4-Nitrophenol	( million )		82000	HU	1	
:	132-64-9	Dibenzofuran		1	17000	11.	1	
:	121-14-2	2,4-Dinitrotalu	ene	1	17000	Ш	;	
;	84-76-2	Diethylphthalat	Æ		1.7000	111	į	
ĭ		4 Chlorophenyl-			17000	. Fl	;	
:	36-73-9	Fluorene		1	1700C	) LJ	į	
:	100-01-6	4-Nitroaniline_	, 1,000 to 100 100 100 100 100 100 100 100 100 10		82000	111	;	
í	534-52-1		ethy:phenol	}	62000	11.	:	
:		N-Nitrosodiphen			3.7000	: ), }		
1	101-53 3	4-Gromophenyl-p	nenylather	1	17000	: ± j	-	
į	118-74-1	Hexachiorobenze	THE		17000	: {_}		
ì	87-65-5	Pentachler opher	្រាំ		550000	łΕ	į	
3	85-01-9	Fhenanthrene	VIII		17000	; ()	;	
;	120-15 2	Anthrocone		[	17000		1	
	84-74-2	Di-n-Butylphtha	late		17000	{ (.)	:	
1	204-44-0	Fluoranthene		1	17000	U	;	
ļ	329-00-0	man manufly profit	gyang kadan di tan dapat mama mang dipagka dan gunth D. de araga (D		17000	1.,	ţ	
1	85-60-7	Butylbenzylphth	alate		17000	IJ		
2	91-94-1	3,3'-Dichlorobe	nzidina	: : : : : : : : : : : : : : : : : : : :	34000	IJ	į	
į	54.52.3.	Benzo (a) Anthrac	5913EF	1 .	17000	Ш	1	
i	218-01-7	Chrysene			17000	111	:	
į	117-31-7	bis(2-Ethylhexy	1)phthalate	1	17000	IJ	;	
!		Di-n-Octyl Phth			17000	111	:	
:	205-79-2	Benzo(b) Fluorar	thens	i	1.7000	11.1	. i	
	207-08-5	Benzo(k)Fluoran	thene		17000	11.5	;	
Ī	59-32-6	Berzo(a)Pyrane_		ì	17000	}	:	
	3 <b>93.</b> 35.35.3.	Irdenc(1,2,3-cd	) Pyrene		17000	10	i	
2		Dibenz (a,h) Anth			17000	Hj.	į	
:		Bonroig,h,i)Per			17000	113	:	
:				:		1		

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS
MEVERHAGISER COntract: MCCOURT

Jode: WEYER - Case No.: 03493 - SAS No.: - SDG No.: 56355

-trix: (soil/water) SOIL Lab Sample ID: 36357

Name: WEYERHAEUSER

omple wi/vol: 1.4 (g/ml) 0 Lab File ID: 2880911D

zvel: (low/med) MED Date Received: 09/07/90

Mediature: not dec. 16 dec. Date Extracted. 09/10/90

traction: (SepF/Cont/Sonc) SCNC Date Analyzed: 09/11/90

... Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 1.00

unbor TICs found: 1 (ag/L or ag/Kg) US/KG

CAS NUMBER COMPOUND NAME RT EST. CONC. C 1. 55-70-2 | PHENOL, 2,3,4,6-TETRACHLORO-| 18.54 35000 JX

ERA SAMPLE W.

SEMESTRATILE ORGANICS AMALYSIS DATA PHELT ABNE 13DL Contract: MCCOURT Mana: WEYERFREDSER SAS No.: EDG No.: 56355 Code: WEYER Case No.: 03693

Lab Sample ID: 56337DE -trix: (soil/water) SOIL RENOSIIM Lau File ID: smple willyol: (o/mL) 5 1 . 4

09/07/90 MED Date Received: evel: (low/med)

Date Extracted: 09/10/90 Moisture: not dec. 15 dec.

Date Analyzed: 09/11/90 SONC (SepF/Cont/Sanc) tractions

pHs 5.9 Dilution Factor: 4.0 (Y/物) N t Cleanup:

CONCENTRATION UNITS: (us/L or us/Kg) US/KG CAS NO. COMPOUND 67000 19 67000 111 67000 111 111 541-73-1-----1,3-Dichlorobenzene <u>87000</u> | 105-46-7----1,4-Dichlorobenzene\_\_\_\_ 67000 111 67000 111 111 67000 1 95-50-1-----1,2-Dichlorobenzene\_\_\_\_ ) 95-46-7......2-Methylphenol\_\_\_\_\_ 111 *6*7000 111 1 108-60-1-----bis(2-Chloroisopropyl)Ether\_\_\_ **57000** 106-44-5----A-Methylphenul 67000 131 1 621-64-7-----N-Mitrasa-Di-n-Propylamine\_\_\_! 67000 114 111 67-72-1-----Hexachloroethane 67000 1 98-99 3----Nitrobenzees 67000 115 67000 111 78-19-1- -- Isophor ores 88-75-5----2-isi trophenol 67000 111 105-57-9-----2,4-Dimethylphenol\_\_\_\_ 57000 115 330000 111 1 AS-ES-Co-----Benzoic Acid 67000 W 67000 10 | 120-83-2---2,4-Dichlorophenol\_\_\_\_| 67000 1 120-62-1----1,2,4-Trichlorobenzene\_\_\_\_: 14 1 91-20-3----Naphthalenc\_\_\_\_ 67000 67000 ti 111 87-69-3----Hexachlorobutadiena 67000 1 59-50-7----4-Chloro-3-Methylphenol\_\_\_\_ 111 67000 IU 1 91-57-6---2-Methylnaphthalene 67000 67000 10 77-47-4-- Hexachlorocyclopentadiene\_\_\_\_ 67000 10 330000 U 67000 : U 330000 111 1 151-11-3- -----Dimethyl Phthalate 57000 111 1 208 95-8---- Acenaphthylane 67000 , ... 606-20-2-----2,6-Dinitrotoluene 67000 111

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

4850213DL

Name: WEYERHAEUSER Contract: MCCOURT

Lode: WEYER Case No.: 03693 SAS No.: SDG No.: 56335

trix: (soil/water) SOIL Lab Sample ID: 56357DL

imple wi/vol: 1.6 (g/mL) B Leb File ID: 2Hk091IM

Date Received: V9/07/90

evel: /iow/med) MED

Monstore: not dec. 16 dec. Date Extracted: 09/10/90

Traction: (Sepf/Cont/Sont) SONC Date Analyzed: 09.11/90

-3 Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 2.0

CAN NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UE/KB

330000 111 ; ; j £7000 1 () 330000 1 51-28-5-----2,4-Dinitrophenol\_\_\_\_\_ 330000 111 H 67000 1 132-64-9-----Dibenzofuran\_\_\_\_\_ 67000 1 1 121-14-2----2,4-Dialtrotoluene 131 67000 : 84-66-2----Diethylphthalate\_\_\_\_! 1 1 1 ! 7005-72-3----4-Chlorophenyl-phenylether\_\_\_1 67000 67300 1 : : 330000 330000 . . . A CYCLE ; ; ; \$7.00a 1 . . 17 25 11 118-74-1-----Hexachior obersene\_\_\_\_ : 15 8.70000° | 87-86-5--- Pentachi prophenci 62000 (1) | 85-01-8----Phenanthrese\_\_\_\_ 10 57000 120-12-7----Anthracens \_\_\_\_\_\_ 111 67000 5Z000 111 :11 67000 13 85-68-7-----Butylbenzylphthalate\_\_\_\_\_ 47000 111 | 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_\_ 130000 111 57000 | 56-55-3----Benzo(a:Anthracene\_\_\_\_| 1 67000 | 117-81-7----bis(2-Ethylhexyl)phthalate\_\_\_( 67000 62000 LU | 117-84-0-----Di-n-Octyl Phthelate\_\_\_\_\_ 111 67000 1 205-99-2-----Benzo(b)Fluoranthene\_\_\_\_\_ 1:1 67000 | 207-08-9-----Berzo(k)Fluoranthene\_\_\_\_\_ 6700C 1 50-32-8-----Benzo(a)Pyrene\_\_\_\_-1 ( ) | 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_\_\_\_ 60 OCC **57000** i 53-70-34-----Dibenz (a,l) Anthracene\_\_\_\_\_i 1 a7000 

SEHIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS:

ABMP13DL

\* Namo: WEYERHAEUSER

Contract: MCCOURT

Code: WEYER Case No.: 03693 SAS No.: SDB No.: 56355

cerix: (squi/water) SOIL

male wt/vol: 1.4 (g/mL) 6

Lab File ID: 2ENO911M

- rel: (low/med) MED

Date Received: 09/07/90

Moisture: not dec. 36 dec. Date Extracted: 09/10/90

.uraction: (SepF/Cont/Sonc) SONC

- Date Analyzed: 09/11/90

Lab Sample ID: 56357DL

PO Cleanup: (Y/N) N pH: 5.9 Dilution Factor: 4.0

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

. :ber TIOs found: 0

COMPOUND NAME

RT

The state of the s

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: MCCOURT | ABNP14

Name: NEVERHAEUSER Contract: MCCOURT

( Lode: WEYER Case No.: 03693 SAS No.: SD6 No.: 56355

strix: (soil/water) SOIL Lab Sample ID: 56358

imple wt/vol: 1.7 (g/mL) 6 Lab File ID: 2BN0911E

evol: (low/med) MED Date Received: 09/07/90

Moisture: not dec. 14 dec. Date Extracted: 09/10/90

traction: (SepF/Cont/Sonc) SOMC Date Analyzed: 09/11/90

Oleanup: (Y/N) N pH: 6.0 Ditution Factor: 1.00

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L 6

	<u> </u>	i	ž
	14000	( ; )	1
108-95-2	14000	: ប	ì
111-44. An and was marked to the Control of the Con	14000	} (J	ì
Company of the property of the	reach 	IU.	3
541-73-11,3-Dichlorobenzens	14000	113	}
106-46-71,4-Dichlorobenzene	14000	HU	1
100-51-6Benzyl Alcohol	14000	IU	1
93-30-11,2-0ichlorobenzene	14000	U	3
os_48.7 2-Methylphenol	14000	; LJ	<b>!</b>
108-60-1bis(2-Chlordisopropyl)Ether_	14000	14.1	ţ.
106-44-5	14000	111	!
621-64-7N-Nitroso-Dien-Propylamina_	14000	1.5	<b>!</b>
67-72-1	14000	11.)	1
98-99-3Natrobersens	14000		1
78-59-1Isophorune	14000	14.	1
88-78-82-Nitropherdi	14000	1 1,1	;
105-67-92,4-Dimethylphenol	66000	il	
65-65-0Benzoic Acid	14000	1 (.)	3
111-91-1bis(2-Chroroethoxy)Methane	14000	IU	1
120-83-22,4-Dichlarophenol	The state of the s	ιÚ	!
120-82-11,2,4-Trichlorobenzene		1.3	į
91-20-3Naphthalene	14000	1 8.4	!
106-47-8	ALL DOOR .	iU	
87-48-3Hexachlorebutadiene	100 mars 1	11.	}
59-50-74-Childro-3-Methylphenol	Market and the second s	111	
91-57-62-Methylnaphthalene	igani dagen	Ш	ļ.
77-47-4	and the second s	113	<u> </u>
88-06-22,4,6-Trichlarophenol	eran ereti	ίIJ	1
\$5-95-42,4,5-hrichlorophenol	A STATE OF THE PARTY OF THE PAR	i U	4
91-58-72-Chloronaphthalane	a grant figure .	t El	!
1 88-74-4	and the second s	18	
131-11-3Dimethyl Pothalate	40 - 100 - 1	. U	
1 208-96-EAcenaphthylene	conservation and are set of the	i U	!
1 606-20-2	**************************************	1	
	and all and all and all and all and all and all and all and all all and all all and all and all and all and all and all and all and all and all all and all and all and all and all and all and all and all all and all and all all and all all and all all and all all and all all and all all all and all all all all all all all all all al		

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

tiame: WEYERHAEUSER Contract: MCCOURT

atrix: (soil/water) SOIL Lab Sample ID: 56358

E Code: WEYER Case No.: 03693 SAS No.: SD6 No.: 56355

Date Received: 09/07/90 evel: (low/med) MED

Moisture: not dec. 14 dec. Date Extracted: 09/10/90

rtraction: /SopF/Cont/Sonc) SONC Date Analyzed: 09/11/90

FC Cleanup: (Y/N) N pM: 6.0 Dilution Factor: 1.00

	CAS NO.		CONCENTR (ug/L or			ξ	2)
;				Į.		<u> </u>	
!	-79-00 -2	3-Nitroaniline			66000	(1)	
:	512	Acenaphthene			14000	11.	
!	51-28-5	2,4-Dinitrophenol_		1	6 <u>6000</u>	1U	
ţ	100-02-7	4-Witrophenol		(	66000	ΙÜ	
į	132-64-9	Dibenzofuran		1	14000	(1)	
:	121-14-2-	2,4-Dinitrotoluene			14000	10	
Ş	84-66-2	Diethylphthalate			14000	! ()	
ì	7005-72-3	4-Chlorophenyl-pher	ylother		14000	} Li	
į	84-73-7	Fluorene	on all pages against the case decrease dealers are an extension.	1	14000	11,3	
-	100-01-a	4-Nitroaniline			66000	ł Cj	
;	534-52-1	4.6-Dinitro-2-Methy	zipannol,		65000	(U	
	84-30-6	N-Nitrosodiphenyla	vice (1)	1	14000	:11	
;	The state of the s	4-Bromophenyl-pheny	/lother_		14000	[ [ ]	
ì	1350 - 74-4	Hexachlorobanzene			14000	113	
}	87-04-5	Pentachlorophenol			66060	: L.:	
	B=(-1)1	Phenanthrene			14000	IU.	
	120-12-2	Anthracene		1 1	14000	: U	
	80-20	Di-o-Butylphthalate	?	1	14000	!iJ	
!	206-44-0	Fluoranthene			14000	НU	
	129-00-0	Pyrene		i	14000	Hij	
	85-66-/	Butylbenzylphthalat	: e		14000	10	
		3,3'-Dichlorobenzio			27000	113	
	56-65-5	Benzo(a)Anthracene		1	14000	Hj	
	218-01-9	Chrysene			14000	$\Box$	
	117-81-7	bis(2-Ethylhexyl)pr	ithalate.		14000	ILI	
	117-84-0	Di-n-Dotyl Phthalat	1/2	İ	14000	٠.)	
	203-99-2	Benzo(b)Fluoranther	(E)	·····	14000	113	
	707-06-9	Benzo(k)Fluor anther	169	1	14000	1.1	
	3030-6	Benzo(a)Pyrene			14000	10	
	193-39-5	Indeno(1,2,3-cd)Pyr	eacon		14000	167	
	53-70-5	Dibenz (a,h) Anthrace	enu :	1	14000	10	
	191-24-2-	Benzo(g,h,i)Feryler			14000	IU	

FORM I SV-2

工产的 法经济工厂 SERIVULATILE OR MALES ANALYSIS DATE SHEET TENTATIVEL! IDENTIFIED COMPOUNDS **ADNP14** Contract: MCCOURT · Mame: WEYERHAEUSER A Jode: WEYER Case Mo.: 03693 SAS No.: SD8 No.: 56355 Lat Sample ID: 54356 strik: (soil/water) SOIL Los File IV: 2BN0911E ample wt/vol: 1.7 (g/mL) B Date Received: 09/07/40 mval: (low/med) MED Date Extracted: 09/10/90 Moisturer not dec. 14 dec. Date Analyzed: 09/11/90 straction: (SepF/Cont/Bonc) SONC PC Cleanup: (Y/N) N pH: 6.0 Dilution Factor: 1.00 CONCENTRATION UNITS: (ad/L or ug/Kg) UG/L Univer TICs founds 0 RT : EST. CONC. | Q COMPOUND NOME TO A TRANSPORT OF THE PROPERTY 

and the second

Contract: MCCOURT Name: WEYERHAEUSER SAS No.: SDG No.: 0635t Case No.: 03693 at Code: WEYER Lab Sample ID: 50354 otrix: (soxl/water) SOIL Lab File 30: 2. 多数图0 · 14 3. 3. 3 1.4 Raizella 6 pomple wt/vol: Date Received: 09/07/90 vælt (low/med) Date Southernaice Cyriling Maisture: not dec. 7 . diam. Daro Analyzed: 09/1:/90 SONO (Sept/Cont/Bonc) wirmachions Dilution Factor: 1.00  $L = \frac{p_0}{2}$ · C Clearnia -(Y/N) N1.144 CONCENTRATION UNLISE (ug/L or ug/Kg) US/L COMPOUND > CHS NO. ; i ; 14000 ! 111-64-4-----bis(2-Chloroethyl)Ether \_\_\_\_\_ 16000 1 95-57-6---2-Chlorophenol 111 16000 1..! 14000 11. 1 106-46-7-----1,4-Dichlorobenzene\_\_\_\_! 26000 1 100-51-6----Benzyl Alcohol 16000 : 11 16000 1 : 0 16000 1.1 1 10W-A0-1: -----bis(2-Chloroiscpropyl)Ether\_\_i 16000 16000 1 621-64-7-----N-Nitraso-ki m Propylemine .... 16000 1 16000 11: 17-72-1 - - - Hexachlor cettaine 1.3 23-97 An Zun - - - - - - - - WI (POLETIZETE 16000 1.5000 113 83-75-5----2-Mitrophenal 111 16000 10 15000 65-85-0-----Benzoic Acid 79000 11: 111-91-1------bis(2-finloroethoxy)Methane\_\_\_\_! 16000 ! 1 1 120-85-2 ------- 2,4-Dichlorophenol \_\_\_\_ 16000 111 111 120-92-1-----1,2,4-1richlorubenzene 14000 16000 111 1 106-47-8-----4-Chloroaniline\_\_\_\_\_i : : : 10000 1 87-68-3-----Hexachlorobutadiene 113 16000 59-50-7----4-Chloro-3-Methylohenol\_\_\_\_\_ 16000 : 1 16000 ! 77-47-4- -----Hexachlorocyclopeniadiene\_\_\_\_! 16000 10 16000 : [] 1 68-06-2----2,4,6-Trichlorophenol\_\_\_\_\_ 79000 16 16000 79000 : U 1 151-11-3--- Disethyl Phthalato 16000 1 (.) 10 16000 113 16000

ABNP 13

	Mames	WEYERHAEUSER	Contract:	MCCOURT
--	-------	--------------	-----------	---------

Lode: WEYER Case No.: 03693 SAS No.: SDE No.: 56355

strixs (acil/water) SOIL Lab Sample ID: 56359

reple wt/vel: 1.4 (g/mL) G Lab File 1): 28409117

avel: (low/med) MED Date Received: 09/07/90

Moisture: not dec. 13 dec. Date Extracted: 09/10/90

(traction: (SepF/Cont/Sonc) SONC Date Analyzed: 09/11/90

%) Sleanup: (Y/N) N pHs 6.2 Dilution Factor: 1.00

£.	AS NO.	COMPOUND	CONCENTI- (ug/L or			Q	
		•		<b>!</b>		:	<b>\$</b>
	on the second second	3-Nitroaniline		į	79000	H	í
ing i	an and some some A configuration To any page 12 a.s.	Acenapithene	ng narraw united in may publick graphs turber narraw cumplicit of militar less	1	16000	1	ŧ
ţ::	And the same and t	2,4-Dinitropher	107		79000	11,1	<b>!</b>
. 1			a gett, an fired spines areas man an an 'n ra spine at an an-	1	79000	Mil	;
1.0	300% \	Dibenzofuran	in their settle mann inget digit a lybe to to arrive by the person the	1	16000	۱ij	1
1	Signada Arabiya wa wa wa wa wa wa wa wa wa wa wa wa wa	2,4-Dinitrotolu	17274 67	!	16000	{ <b>{</b> .}3	i
1		Diethylphthaia	in the same of a part of the same and the same of the same and the sam	1	16000	10	•
1-3	A-60-X	4-Chlorophenyl	-aheavlether		1,6000	11.1	j
7	905-72-3	Fluorene	producting as some	1	(6000	113	:
8	6-73-7	4-Nitroanilire	was ready after the good parent gloves between the world to the e-	1	79000	111	:
1	00-01-6	4,6-0initro-2-	Activitions		77600	H	1
i ti	34-52-1		(1)		1.6000		}
9	<u>6-30-6</u>	4-Eromophenyl-	shenvletier	- "	16000	! Li	ŧ
1 1	01-55-5	Hexachlorobenz	prote	1 2	15000	(:)	:
1	19-74-1	Pentachlorophe	Ta A Ta A Ta A Ta Anna and A San Ca Can Ca Can Anna Anna Anna Anna Ann	£ .	690000		÷
; 8	7-86 G	Phenanthrene	. E Noville 16. gg/r runne manet desse y rim orlan resem rase t	1	16000	ł U	:
1 8	5-01-6	Compared to the control of the contr	was von a si names serve years doors draw draw in the seculinist	.,	16000	H	:
1 1	20-12-7	Anthracene Di-m-Butylphih	m 1 co 1 to 1		16000	ld	}
( 8	4-74-2	Fluoranthene	The way of the same of the sam	ment w after an	16000	111	
2	90444C	The same and the same and	nang ti dinggan digandi daggan migapi dinagan mangan yang si dini na sapan dinabah		16000	[1]	į.
1	2900-0	Pyrene Butylbenzylpht	Halats	1	16000	لاا	i
£ 52	15-66-7	3,3'-Dichlorob	anwidine	i ,	32000	113	1
9	The same that All some I are some second		r criss		16000		į
					16000	HU	1
1 2	18-0) 7	Chrysene bis(2-Ethylhex	vi) obthalat	.02	14000	; U	ì
; ;	17-81-7	Di-n-Octyl Pht	haist <i>e</i>	agran specification	3,6000	Į U	
1 1	17-84-0	Beazo(b)Fluora	nt bases	And the same and t	16000	l U	ł
1 2	<u> </u>	Benzo(k)Fluora	ili di Sanggara (1966) in 1964 na <sub>1966</sub> na <sub>1966</sub> na 1966 na	2	16000	11.1	ļ
1 2	:07 -08-5	EGUZO (KATAUGI G	I I die fil Call f Sale <sub>mang</sub> i yest etersteen		16000	, U	į
1	30 - 30 - 30 - 30 - 30 - 30 - 30 - 30 -	Benzo(a)Pyrene	A S E'S, or rains an		16000	10	
1 3	. Op 3 was a factor of from the same		And the graph of the community of the co		16000	11)	1
1 5	33-70-3 <del>1</del>	Dibenz (a,b) Ant	at transfer to the second of t		18000	1.3	<b>5</b>
1	(91-14-V		a y a to the periodical				

SEMINOLATILE OFFINIUS AMALYSIS DATE SHIRT TENTATIVELY IDENTIFIED COMPOUNTS

Contract: MCCGURT : Name: WEYERHAEUSER

Hirax: (soil/water) SOIL

. Code: MEYER Case No.: 03693 SAS No.: SDG No.: 56355 Lab Sample 10: 56359

aple wt/vo): 1.4 (g/mL) G Lab File ID: DBN0911F

Date Recaived: 09/07/90 evel: (low/med) MED

Moisture: not dec. 13 dec. Date Extracted: 09/10/90

Date Smalyzous 09/11/90 teraction: (SepF/Cont/Sone) 50N0

TO Cleanup: (Y/N) N pH: 6.2 Delution Factor: 1.00

CONCENTRATION UNITS: (uc/L or ug/Kg) UG/L weber TICs found: 1

COMPOUND NAME | RT | EST. CONC. | G ! - IN THE THE STANDARD OF THE S 1. 56-90-2 | PHENOL, 2,3,4,6-TETRACHLORS-! 18.02 | 9300 | JX | and the first that th

	5-H (V.)L.61	Fig. Laborat April 1990 No. 1 (LOCA) - A-10 MARTAL T	( db d, db	** \$6 a. *** *			
e' Na	mer MEYERFOO	KSER	Contract	HOCOURT		(NF 1 50)	
· /		Case No.: 03693	SAS No.:		BDG No.:	5635.	·· 3
	/ (goil/wated			Lab Sample	10: 543	559DL	
3477.8	1 (3.33.) Assert and	Constitution of the second				e se so de d'hor	
easte	Armi:	1.4 (g/ml) 8		Lab Fise II	ur 288	IOSTIN	
www.	(liquodamed	) MED		Date Recei	vod: 05/	/07/90	
Mois	ting or that stee	to 13 deci-		Deter Extra	nted: Ov/	10770	
3 tyr #0	tacos (Sep	F/Cont/Sonc) S	ONC	Dane Analy	rear 097	/11/90	
C Cl	омпирт (У7)	State (V) partia	6.2	ditution F	eutor: 4.	O	
			PENNELS	NTRATION ON	178:		
	An. 2.28	COMPOUND		or ug/Kg)		. 0	
	CAS NO.	COMMUNIC	A creation in				
				1		}	:
:	e secure i di ser une dinicular	me manual fields the my ma ?		<b>}</b>	a5000	H	1
	1000 mm 2 m 2 m 2 m	Phenal bis(2-Chlorce	thyl)Ether	1	a5000	1.13	
;	111-111-11	2-Shlaropheno	1	£	65900	l U	3
;		1,3-Dichlorob			55000	11.,	
;					85000	11	<b>!</b>
:	106-44-7	1,6-Dichtorob	Territoria de la companya della companya de la companya della comp	# 1 A A A A A A A A A A A A A A A A A A	45000	111	
j	100-51-6	Benzyl Alcoho	The same area area to the same	, page splint plant is returned to the territory of the t	65000	i U	£
		1,2-Dichlereb			6500V	: L)	:
1 1	Company of the same of the sam	2-Methylpheno	4 11	and the second s	7.5000	111	:
` ;	106-60-1	bis/2-Chloroi	echromaric	Contract Contract	65000		1
:	106-44-3	4-Hethylpheno	A sale series are an array constraints per constraints		45000	10	į.
1	621 m/14 . 1 . mm	N-Nitrosa-Di-	-ucharan	T.1.165 " " " " 1	65000		:
<del>;</del>	27-29-3 minum		Suc management	7. AT 1881 A 1881 A 1881 A 1881		111	
		Nitrobenzene_			4 <b>3</b> :100		
1	78-55-1	Isophorone	, many wellow haves were appear many first, Sugge many. Suge	Press refer disease	45000	10	,
	88-70-5	2-Nitrophenol	make and and and layer - to spin at his pare and		<u> </u>	10	:
	1051-47-9	2,4-Dimethylp	henol	******	500C	f (J	:
	1 /4 th 1 1 2 th 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Benzoic Acid	and the same of th		520000	ΙU	i
	1 111-91-1	bis(2-Chleree	thoxy)Meth	Site:	65000		; -
•	1	2,4-Dichlorep	oheno!		450 <b>0</b> 0	U	f
	s tally and a		or obenzene_		650 <b>0</b> 0	ΙIJ	į
	r san kantanan a Tabun 19 Nasa Bermunya	Naphthalene_		1	65000		1
	· Time in the second	4-Chloroanili	.138	1	65000	( )	<u>!</u>
	I IVOTA/TOTT	Hexachiorobut	radiene	1	<u> 65000</u>	Ш	1
	F BA-DS-D	4-Chipro-3-Me	ethvinhanol		65000	111	<b>;</b>
	The same of the sa	2-Methylnaphi	-halena	group many on bi 5 th torin herr.	£5000	113	1
	1 71-5/-6	Hexachlorocyc	-Transport artis	ery 64	65000	113	i.
	1 77-47-41	a a v training.	a a aprese es es es a de es escretos hicameros I	· · · · · · · · · · · · · · · · · · ·	65000	1	ī
	1 98-00-2	2,4,6-Trithle	ing the property of the second section of the section of the	44 april 2 part 2 par 1240 - 1250 april 2	320000	HJ	<b>\$</b>
	1 95-95-4	2,4,5-Trichlo	ur Lipicitus (1274 <sub>— —</sub>	F THE STATE	45000	ΙŪ	!
	1 91-53-7	2-Chloronaph	cuareus		320000	: []	:
	88-74-4	2-Mitroamilin			49000	IU	1
	1 131-11-3	Dimethyl Pht	naiate	the strike and a strike I say three Dom	3J000	132	• \$

65000

55000

1 4...

## SCMIVULATILE CREANICS ANALYSIS DATA SHEET

				Distriction and desire and the				
Mc	we: WE	YERHAEUS	56R	Continu	act: MUCO	JURY I	ABNETE	504.
/ n Co	de: WE	YER	Case No.: 036	93 SAS N	√o. :	50G	Mo. : 563	355
arix	c (sai	l/water)	SUIL		Lab S	emple ID:	56337DL	v M4
ople	: wt/vc	1.2	1.4 (g/ad.	.) G	Lab F	ile ID:	2BN0911	[]4
,el;	(1	ow/med)	MED		Date	Receiveds	09/07/5	<del>?</del> O
icri s	dure:	not dec.	. 13 dec	. •	Date	Extracted:	09/10/5	<del>2</del> 0
in an	chions	(Sepf)	/Cont/Sonc)	SUNC	pate	Amalyzec:	09/11/5	FO
C).	eanupr	(Y/N)	N ph	l: 6.2	Dilat	ion Factor	(s 4 , ()	
				CMOr	VCENTRAT E	ON UNITS:		
	CAS N	O.	COMPOUND			/Kg) U0/L	į.	j
:						!		4
	99-09	t and the same was true and a	3-Nitroani	line	nee op op tyrop i had melde genop geograf, in brief	.1 3200		<u> </u>
i	83-32	many the same same same same so	Acenaphthe	(*16)		1 450		!
ì	51-28		2,4-Dinitr	ophenol		3200	U) 000	į
;			4-Nitrophe				WO IU	į
,			Dibanzofur				ur ood	ļ
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<u>ال</u>								!
			Fluorene			· ·		:
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į,			4-Nitroani					
			4,6-Dinier			•		;
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:			4-Bromophs					
}			Hexachloro					1
:			Pentachlor					
;			Phenenthro					:
I	120-1	2-7	Anthracens	ti. The angular regular programming desired the desired and the second that th	aprigance come come from the city was to proprietable	.1 650		ì
:	84-74		Di-n-Buly)	phthalate		.t 656		i
1	206-4	. A	Fluoranths	21 162	and us as as the many being great speed been after	1 650		;
1	129-0	O-0	Pyrene	n Date and faith or to such a souther State Place in the	ing the many reporting a femal goods from Bubby	650		
į	85~69	jan 7 manjarrani.	Butylbenzy	/lphthalate		1 650	000 H.	i
1			3,3'-Dichl				10 000	- t
			Benzo(a)Ar				000 IU	Į.
,	218-0		Chr. Aseus	nates them an	in hings for a grade major and a grade lights for a	: 650		1 3
	117		bis(2-Ethy	(ihexvl)ohtt	nalate	450		}
;			Di-n-Outyl					<u>f</u>
;			Benzo(b)Fl					•
•								}
;			Benzo(a)Fy					•
•								į
•			Indeno (1, )					•
i			Diberz(a, l					;
7			Herzo(q,h, separates fr	Tillar Aftine	AL 1914 C. D. March 1914 T. M. C. C. C. C. C. C. C. C. C. C. C. C. C.	1 (2000)	100 10	٤,

## SETTIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

ARRETTON.

NAME: WEYERMAEUSER

Contract: MCCOURT

pude: WEYER Case No.: 03693 SAS No.:

SDS No. : 56375

itris: (soil/water) SOIL

Lab Sample ID: 36359DL

Table withvol: 1.0 (g/mL) 6

Lab File ID: 2840911N

i el: (Low/med) MED

Date Received: 09/07/90

Taroture: not dec. 15 dec.

Date Extracted: 09/10/50

teachion: (Sepf/Cont/Sonc) 30N)

Date Analyzed: 09/11/90

- Eleanops (Y/N) N pH: 0.2 Dilution Factor: 4.0

CONCENTRATION UNITE: (ug/L er ug/Kg) U6/L

. Spar TICs found: O

DOMPOUND NAME

I RT I EST. CONC. 1 E 1

The composition with the production of the contract of the con 

#### SEMIVOLATILE ORGANIUS AWALYSIS DATA SHEET

ABNP16 Contract: MCCOURT Warmer WEYERHAEUSER 906 No.: 56388 Case No.: 03693 SAS No.: to Codes WEYER Lab Sample ID: 5650 trin: (spil/water) SOIL smile et/vol: 1.3 ig/mil> G Lab File ID: 23N09116 09/07/90 Date Received: 3 - 82 1 4 (low/med) MED Date Extracted: 09/10/90 wasturer not dec. 7 7 0.690. (Sepf/Cont/Sonc) 30NC Date Analyzed: 09/11/90 rraction: pH: \*\* Cleanup: (YZM) N Dalution Factor: 1.00 5 . E CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/L 21000 11. 111-44-4----bis(2-Chloroethyl)Ether\_\_\_\_ 21000 113 21000 111 541-73-i----1,3-Dichlorobenzene 21000 10 21000 ! 100-51-6-----Benzyl Alcohol 21000111 95-50-i----1,2-Dichlorobanzene\_\_\_\_: 21000 W 1 95-48-7 -- -- 2-Methylphenci \_\_\_ [ 21000 5 (.) 108-60-1-----bis(2-Chlargisopropyl)Ether | 111 21000 21000 1 1 621-64-/----N-Nitrosc-Di-n-Propylamine\_\_\_: 21000 10 67-72-1-----Hexachlur osthane 111 21000 1 98-99 - 3 m m m m m m m M trabenzene 21000 E.J. 78-59-1------tsophorone 21000 113 21000 111 1 10%-57-9----2,4-Dimethylphenol\_\_\_\_! 21000 111 65-95-0-Benzoic Acid\_\_\_\_i 100000 111 111-91-1----bis(2-Chloroethoxy)Methane\_\_\_i 21000 10 (13 120-93-2---2,4-Dichlorophenal\_\_\_\_! 21000 21000 :11 91-20-3----Naphthalene 11 21000 1 106-47-8-----4-Chloroaniline\_\_\_\_\_ 21000 1 3 87-68-3-----Hexachlorobutadiene\_\_\_\_: 113 21000 1 1 21000 21000 1 1 77-47-4-----Hexachlorocyclopentadione\_\_\_\_ 111 21000 ! 88-06-2----2,4,6-TrichLorophenol\_\_\_\_ 21000 1.1 1 95-95-4----2,4,5-Trichlorophenol\_\_\_\_\_ 113 100000 21000 11 14 100000 i3:-11-3----Dimethyl Phthalate\_\_\_\_\_ 21000 111 21000111 21000 111

The state of the s

	minimal and a second of the se	ORGANICS ANA Y	Approximately to the second				,
			Contract:		AS	NP 16	
" l msf	ne: WEYERHAEUSER		to the title internation w		p.a.s ppeak equid Mist		
Jos	ie: WHYER Ca	se No.: 03693	SAS No.:	Ę	BUG No.:	56435	()
·i.w:	: (noil/water) S	OIL.		Lab Sample	(D: 563	io	
. ] (1)	vais / vest t	1.1 (g/mL) 8	•	Lab File 1D	FER	109110	
: <u>1</u> ±	(low/med) M	ED		Date Receiv	ed: 097	07790	,
	turca not dec.	<b>្រុ</b> វ ស្ត្រ		Date Extrac	ted: 09/	00/90	i
	tion: (SepF/Co	int/Sonc) 90	MC	Date Analyz	ed: 09/	11/70	<del>)</del>
	Promite (YVN) N		H. H	Dilution Fa	nteri 1.	(14)	
			CM (MICHEL)	ATRATION UNL	T5:		
	ما من اس اس اس اس اس اس اس اس اس اس اس اس اس	COMPOUND	(1307)	ce ug/Kg) U	97L	(.)	
	CAS NO.	Professional Profession					
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;	الله والمحمد المحمد	er and a source of a do by expension		t )	21000	1.1	i
ŧ	The second second		and the property of the second	#1 14. mrs 41	100000	113	;
	The state of the s	S'a-brurchobu	MILL MANAGEMENT	uses using space to be executable. The	100000	10	1
i	The state of the s	4-Nitrophenol	was not to the complete that the bill the contract		21000	10	;
ų į	the second secon	Dibenzofuran_	Anna Mila mater profession made over china ideas		51000	Ü	
			1.11色红色			10	
) :	The file of the fire was file and the same of the same of	Diethylphthal	and the first man all the lates the sections were not	two at a 1990 to be seen made	21000		
IJ;	7005-72-3	4-Chlorcoheny	1-pherylet	(rem	21000	i (L)	1
	- VIII SII I III III - Bhail II an Vanime mentana ana anna	manifer to a series of the control o		* * * * * * * * * * * * * * * * * * *	21000		;
;	100-01-6	A_A	Parest de les notats après desse al me et le le communication	}	100000	111	-
•		A Coult in the server	-most hvloin	and 1	1,00000	1.4	į
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;	the state of the s	M-MILLONGULIUS	and the second of the first	est.	21000	1 : 1	<u> </u>
;	101-59-3	4-Bromopheny)	MARIOA TELLI	ALL THE PERSONNEL WAY	21000	111	:
į	118-74-1	Hexachlorober	rene	post impressor in a processor.	11000	. 0	i
(	87-86-5	Pentachioroph	anol		21000	Ü	į
	COPS - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Phenanthrene_	the state of the s	and the thin was not seen	21000	) U	
· ·	4 - 13 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Anthracene		g was in the way was and it is a series on a		1 () 1 ()	1
	OA74?	Di-m-Eutylpht	halate		21000		, 1
ì	206-44-0	Fluoranthese	to come while more such properties that districts a	E	21000	) U	;
	CONTRACTOR OF STATE O	Evren			51000	111	1
	65-69-7	Forvillenzyled	thelate	) i	21000	113	:
	91-94-1	The state of the s	benriding	!	42000	[1]	•
	91.444.   34.455. 	The same of the sa	acene	1	51000	H	1
		Colombia and Colombia and Colombia	THE ROLL WHEN P. L. S. P. S. SECTION S. P. LEWIS CO., LANSING STR. P. LEWIS	=	21000	(1)	!
	1 218-01-9	CHEYSONS	و و وا طوط و ۱ ۱ رود	art a	21000	įU	1
	1 117-81-7	bis (Truchy) he	zayarpilsimi .asan mem	* **** 743 * ** <sub>state</sub> samp at-94 *	21000	111	<u> </u>
	1 117-84-0	Di-n-Octyl Fr	LIBLULE	\$ - 1946   1 - 10 - 10 - 10 - 10 - 10 - 10 - 10	21000	ļij	ŧ
	1 205-59-2	Benze (b) Fluor	ranthene	ele lens code and a consecution of	21000	113	:
	: 207-08-9	Beuso $(k)_E$ ) nor	ranthene	· and the sea agree and the	21000	íÚ	)
	the state of the s	Benzo(a)Pyre:	The same to require the contract contract of the same to the same	and and with an experience where	**	 [U	•
	1 1075 - 700 - 500 - 500	Indeno(1,2,3	-cd)Fyrene.		21000		
	1 53-70-36	Dibenz (a.h) A	othracene_	A THE CONTRACT OF THE PARTY OF THE	21000	1U	i
٠.	<ul> <li>A second of the control</li></ul>	Benzo(g,h,i)!	Prylone	A STATE OF THE PARTY OF THE PARTY OF THE PARTY.	\$1000	1.51	
`	()) - Cannot be	and the color of the Board of the South Color	g 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2		;	}

#### SEMIVOLATILE OPEREIOS AMALYRIS DATA FEREI TENTATIVELY IDENTIFIED COMPONENS

ABNE 16

Name: WEYERHAEUSER Contract: MCCOURT

न्दं Code: WEYER Case No.: 03693 SAB No.: 506 No.: 56355

abris: (soil/water) SOIL

Lab Sample ID: 5630

Les File ID: PENOFILS asple wt/vol: 1.1 (g/mL) 6

evet: (low/med) MED

Date Recalved: 69/07/90

Moisture: not dec. 14 dec. Dete Extracted: 09/10/90

straction: (SepF/Cont/Sont) SGNC Date Analyzed: 09/11/90

-C Steamup: (Y/N) N pH: 5.8 Dilution Factor: 1.00

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

wher TICs found: 6

		:			{		[		į	:
CA:	NUMBER	1	COMPOUND	NAME	i	Fc ?"	} -	ast. Gowc.	1 (.:	1
mana na ta	a 17:3 dec apa det 18:4 des apa com act des est	j m.s. rapalam en el el est	an and happed you and now the c	et ma at stat masses so son		in the ser for the first	i } === =====	gan this trainer, but saw a linear linear, the	. 1 in Paris	; <del></del> ;
į.	56818-02-1	! BENZENE,	1,2,5,5	-TETRACH	LORO!	19.10	1	11000	1.78	į
J., r	10463-10-2	BENZENE,	PENTACHL	CHT30XOL	XY- 1	22.99	;	59000	13%	:
3.		LUNKNOWN			į	32.51	í	13000	$\sim \times$	1
1)		CONKMOWN			:	34.67	<u> </u>	24000	i JX	:
		UNKNOWN			1	33.61	1	8800	1JX	į
Ç.,.		LUNKNOWN			į	36.44	1	32000	:67	:
		1			)		2		1	. !

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91 -58-7-----2-(hloronaphthalare

1 EATRAGA PARTEROSON (192

131-11-3----Dimethyl Phinalage\_\_\_\_\_\_

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14.1

22000

22000

23000

2.20000

110000

- Name: WEYERHAEUSER Contract: MCCOURT

n Code: MEYER Case No.: 03693 SAE No.: SDG No.: 86355 strine (soil/water) SOIL

Leb Sample ID: 56361

esple wt/vol: 1.1 (g/mL) 6

Lab File ID: 2ENO911H

ivels (tow/med) MED

Date Received: 09/07/90

Yoisture: not dec. 18 dec. Dete Extracted: 09/10/90

thraction: (SepF/Gont/Sonc) SONC Date Analyzed: 09/11/90

CONCENTRATION UNITS:

20 Steamure (Y/M) N pH: 6.3 Dilution Factor: 1.00

	CAS NO.	COMPOUND (ug	2/L or ug/Kg)	UG7KG	Í	Q
!			• • •			
ì	90-69-9	3-Nitroaniline	<b>;</b>	110000	(U	ì
•		Acenephthene		22000	14,	:
•		2.4-Dinitrophenol		110000	W	į
•				110000	1 1	i,
		Dibenzofuran		22000	(U	į
•		2,4-Dinitrotoluene		22000	IL	•
		Diethylphthalate		22000	113	(
1	7005-72-3	4-Chlorophenyl-phenyl	(ether !	5,5000	111	;
1	Q47%7	Fluorene	ii	22000	ĮŲ.	į
!	100-01-4			110000	111	:
		4, 4-Dinitre-2-Methyli		110000	10	. 3
Ý		N-Mitrosodi uhenylamir		77000	111	
•		4-Bromophenyl-phenyls		22000	} L!	:
;		Hexachlorobeazeme		22000	* [ ]	;
		Pentachiorophenol		1700000	1 ₩	•
i		Fhenanthrene		272000	1 ()	j.
!				22000	11	:
•	04.7/ 0	Di-n-Butylphthalate	into trees and a state of the s	22000	. : !!!	Į
•		Fluoranthene		53000	113	1
!				22000	11)	1
	25-49-7	Butylbenzylphthalate		52000	113	I
ļ		3,3'-Dichlorobenzidir		44000		;
!		Benzo (a) Anthracene		22000	l (j	÷
1		Chrysene		22000	1.1	į
į	i 17-91-7	bis(2-Ethylhexyl)pho	nalate	22000	10	1
•	117-84-0	Di-m-Octyl Phthalate		55000	1U	1
į		Benzo(b)Fluoranthene		22000	113	;
		Benzo(k)Fluoranthene		22000	$\Box$	1
1		Benzo(a) Fyrene		22000	IU	i
•	793.3Q#5	Indeno(1,2,3-cd)Pyrer	167	22000	$\mathbb{H}^{1}$	;
1		Dibenz (a,h) Anthracen		22000	113	!
!		Benzo(q,h,i)Perylene		22000	} \_i	1
1	are as the total teach	er van de de de de de de de de de de de de de	and falls concern of each board on the			1

Jude: Wayer Case No.: 03693 SAB No.:

#### IN MINOSPATITE CARRANTER VANCTABIR DOMIN REFER TENTATIVELY IDENTIFIED COMPOUNDS

Contract: MCCOURT When the most stock their their title hear and their title the south the south their and the south their and the south title their title title their title title their title tit title title title title title title title title title title tit

GENERAL Z

domes deventables

SDS No.: 16350

Admin: (spil/water) SUIL

Lab Sample (D: 5656)

Leo File To: 2800911H

ermi: (low/med) MED

Data Received: 09/07/90

imighteres not dec. 18 dec.

Desertable u9/10/90

traction (Sepf/Cont/Sont) SONC

rigie wt/vol: 1.1 (g/mL) 6

Dang Amalyzed: 09/11/90

of Other work (Y/N: N pd 6.8 Di) Stion France: 1.00

CONCENTRATION UNITS: (ug/s. or ug/Kg) BB/KG

dom: CEL cound: 11

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CAG NUMBER	COMPOUND NAME	<u>;</u>	HT			ŧ
The state of the s	to a contract that are the interest and the contract that are the contract that are the contract that	perio [ 🖦	man market et et	Employed the second section of the second second	ona j samo samo	
	12(1H)-QUINOLINONE	1	13.20		ЫX	
alia site salah 1966. Mengantan	DODECOME, 2,6,11-TRIMETHY		1/150	6300	: J ×	:
ا موجود در استان بازدنده از بیتور اف از در در در افغان بیر ۱۳۵۶ (۱۳ م	PHENOL, 2,3,4,6-TETRACHLO	SC1	10.59	79000C	X U.	:
1	MENZEME, PENTACHLOROCTHOX	r'e !	22.02	32000	XB1	į
1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11-MAPHTHALENEPROPAMOL, . A	L1-1-1	28.52	23000	IJ%	j i
V.	HINKNOWN		3/3 0/7	8900	XGT	1
, ve	TUKNOMM	1	34,66	17000	ΙďΧ	ŀ
<b>7.</b>	FENKNOWN	ļ	54.96		úΧ	7
the second secon	• • • • • • • • • • • • • • • • • • • •	· }	35.81		LUX.	ŧ
49 L	UNKNOWN	;	36,4%		IJX	}
10.	LINKNOWN	į	36.96		JJX	* 1
1	FONKAOMA	<u>:</u>		1		1
	}		A. 4. E Ches and Sand in the san	* with all the same three same and a trivial strain of the same and		

ABNE 17DL

TO Cleanup: (Y/N) N pF: 6.3 Dilution Factor: 8.0

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L    108-90-2-	œ
111-44-4	
111-44-4 ——bis (2-Chloroethyl)Ether 180000 19 95-57-8 ——2-Chlorophenol 180000 19 541-73-1 ——1,3-Dichlorobenzene 180000 19 106-46-7 ——1,4-Dichlorobenzene 180000 19 100-51-6 ——Benzyl Alcohol 180000 19 95-50-1 ——1,2-Dichlorobenzene 180000 19 108-60-1 ——bis (2-Chloroethozene 180000 19 108-60-1 ——bis (2-Chloroethozene 180000 19 108-44-5 ——4-Methylphenol 180000 19 108-44-7 ——N-Nitroso-Di-n-Propylamine 180000 19 108-72-1 ——Hexachloroethane 180000 19 108-75-5 ——2-Nitrobenzene 180000 19 108-75-5 ——2-Nitrophenol 180000 19 108-67-7 ——2,4-Dimethylphenol 180000 19 108-67-7 ——2,4-Dimethylphenol 180000 19 111-91-1 ——bis (2-Chloroethoxy) Methane 180000 19 120-83-2 ——2,4-Dichlorophenol 180000 19	
95-57-8       2-Chlorophenol       180000       18         541-73-1       1,3-Dichlorobenzene       180000       18         106-86-7       1,4-Dichlorobenzene       180000       18         100-51-6       Benzyl Alcohol       180000       18         95-50-1       1,2-Dichlorobenzene       180000       18         95-50-1       1,2-Dichlorobenzene       180000       18         108-60-1       bis (2-Chlorospropyl)Ether       180000       19         106-44-5       4-Methylphenol       180000       19         621-64-7       N-Nitroseq-Di-n-Propylamine       180000       19         67-72-1       Hexachlorosethane       180000       19         98-95-3       Nitrobenzene       180000       19         98-75-5       2-Nitrobenzene       180000       19         105-67-7       2,4-Dimethylphenol       180000       19         45-63-0       Benzaic Acie       850000       19         111-91-2       bis (2-Chloroethoxy) Methane       180000       19         120-83-2       2,4-Dichlorophenol       180000       19	
75-57-8       2-Chlorophenol       180000       18         541-73-1       1,3-Dichlorobenzene       180000       18         106-86-7       1,4-Dichlorobenzene       180000       18         100-51-6       Benzyl Alcohol       180000       18         75-50-1       1,2-Dichlorobenzene       180000       18         75-48-7       2-Methylphenol       180000       19         108-60-1       -bis(2-Chlorospyl)Ether       180000       19         106-44-5       -4-Methylphenol       180000       19         621-64-7       N-Nitroseq-Di-n-Propylamine       180000       19         67-72-1       Hexachlorosethane       180000       19         78-59-1       Isophorone       180000       19         88-75-5       2-Nitrophenol       180000       19         105-67-7       -2,4-Dimethylphenol       180000       19         65-63-0       Benzaic Acie       850000       19         111-91-1       -bis(2-Chlorosthoxy) Methane       180000       19         120-83-2       -2,4-Dichlorophanol       180000       19	
541-73-1       1,3-Dichlorobenzene       180000       IU         106-86-7       1,4-Dichlorobenzene       180000       IU         100-51-6       Benzyl Alcohol       180000       IU         95-50-1       1,2-Dichlorobenzene       180000       IU         108-60-1       bis (2-Chloroisopropyl) Ether       180000       IU         106-44-5       4-Methylohenol       180000       IU         621-64-7       N-Nitrosa-Di-n-Propylamine       180000       IU         67-72-1       Hexachloroethane       180000       IU         98-75-3       Nitrobenzene       180000       IU         98-75-5       -2-Nitrophenol       180000       IU         105-67-7       -2,4-Dimethylphenol       180000       IU         111-71-2       bis (2-Chloroethoxy) Methane       180000       IU         120-83-2       -2,4-Dichlorophenol       180000       IU	
100-51-6-Benzyl Alcohol 100-51-6-Benzyl Alcohol 180000   U 95-50-1-1,2-Dichlorobenzene 180000   U 95-48-7-2-Methylphenol 106-44-5-4-Methylphenol 621-64-7-N-Nitroso-Di-n-Propylamine 67-72-1-Hexachloroethane 98-75-3-Nitrobenzens 180000   U 98-75-3-Nitrobenzens 180000   U 98-75-3-Nitrobenzens 180000   U 98-75-3-Senzene 180000   U 105-67-7-2-2,4-Dimethylphenol 150000   U 111-91-2	
100-51-6-Benzyl Alcahol 180000 1U 95-50-1-1,2-Dichlorobenzene 180000 1U 95-48-7-2-Methylphenol 180000 1U 108-60-1	:
95-50-1	
75-48-7 2-Methylphenol 180000 19 108-60-1	
108-60-1	!
190000   U 621-64-7	
621-64-7N-Nitroso-Di-n-Propylamine 180000 (U 67-72-)	
67-72-1	
98-75-3       -Nitrohenzene       180000 HU         78-59-1       -Isophor one       180000 HU         88-75-5       -2-Mitropheno       180000 HU         105-67-7       -2,4-Dimethylpheno       180000 HU         65-63-0       -Benzoic Acid       850000 HU         111-91-2       -bis(2-Chloroethoxy)Methane       180000 HU         120-83-2       -2,4-Dichlorophenol       180000 HU	4
78-59-1	
89-75-52-Mitrophenol 180000 (U 105-67-72,4-Dimethylphenol 180000 (U 65-63-0	
105-67-7	
65-63-0 Benzoic Acid S50000 U 111-71-2	
111-91-2	
120-83-2	
120-82-11-2.4-Trichlorobenzene 1 180000 !U	
91-20-3Naphthalene   180000   U	
106-47-8 180000 1b	
87-68-3Hexachlorobutadiene   180000   U	
59-50-7	
91-57-6	
77-47-4	
89-06-22,4,6-Trichlorophenol 180000 IU	
95-95-4	ſ
91-58-7 180000 IU	
88-74-4	
131-11-3 Dimethyl Phihalate ! 180000 !U	
208-96-8Acensphthylane   180000 W	
605-20-2	
The sea was the sea was the sea was an extensive to the sea was a sea	p 31374 11.11 ==*1

SEMIVULATILE ORGANICS ANALYSIS DATA SHEET ABMET ZÜL Contract: MCCGURT Name: WEYERHARUSER SDG No.: 55350 SAS No.: . ode: WEYER Dame No.: 03693 Lab Sample ID: 36361DL strix: (soil/water) SOIL REMOVES Lab File ID:  $\langle \alpha / m \rangle = 0$ ample wt/vol: 1 . 1 09707790 Date Received: (low/med) MED overla Date Extracted: 09/10/90 dec. 10 Moisture: not dec. 09/11/90 Date Analyzeds SONU (SepF/Cont/Sonc) .traction: Dilution Factor: 8.0 63 . . . DHS (YZN) M PO Eleanus: CONCENTRATION UNITS: (ug/L or ug/kg) UB/L 1 . 5 COMPOUND CAS NO. ÷ 850000 10 1 1 180000 1 93-32-9----Acunaphthene\_\_\_\_\_ 850000 H 1 1 **350000** 111 180000 1 132-64-9----Diberrofuran 180000 10 ! 121-14-2----2,4-Dinitrototuene\_\_\_\_\_! 111 ! 84-65-2-----Disthylphthalate\_\_\_\_! 180000 190000 111 10 180000 111 BELOCKED | 100-01-6----4-Mitromiline\_\_\_\_\_\_ 630000 1:1 111 180000 180000 1:; 280000 11. 1 118-74-1----Hexachlor openzene 2200000 . . . ! 87-86-3----Pantachlorophenal\_\_\_\_\_ 180000 111 25-01-2-mana management to and a second management of ::1 180000 1 126-12 / marine and Applica according W 180000 1 84-74-2----Di-n-Butylphthalate\_\_\_\_\_ 11: 180000 206-44-0- ----Fluorenthene 180000 HJ 10 180000 1 85-68-7----Butylbenzylphthalaie\_\_\_\_\_ 111 350000 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_\_ 10 180000 56-55-3---Benzo(a)Anthracene\_\_\_\_ 180000 111 1 218-01-9-----Chrysene\_\_\_\_i 10 | 117-81-7-----bis(2-Ethylhexyl)phthalate\_\_\_! 180000 Ш 180000 111 180000 205-99-2----Benzo(b)Fluoracthene\_\_\_\_\_ 133 10000 1 207-08-9----Benze(k)Fluoranthene\_\_\_\_\_ . . 180000 1800000 \ 193-39-5-----Indeno(1,2,3-cd)Pyrene\_\_\_\_\_ . ( Lecoco 

180000

191-24-7------ Pania(g, 5, 1) Paylete\_\_\_\_\_

(1) - Cernot be separated from Aphenylamica

Contract:   Cont		SEMTON ATH	j. Le orbenics ana	LYSIS DATA	: SHEET		t likh ii l	•
State   Never   Code No. 1   03693   SAS No. 1   Sample   10   State		2) (2) (2) (4) (4) (2) (2) (3) (4) (4)	American Suite visuality (19 de gant tour 19 de 19 de 1	D. 1 (40 % No. )		‡ *		
Service (Soil/Water)   Soil	નું હ <sub>ા</sub> ભાકુ	. WEYERHAEUS	EF	Contra	sk: MCCOURT	t the spectants to	on the second section is a second section of	<i>(</i>
	: Code	: WEYER	Cese No.: 03693	SAS N	3 <u>a.</u> 8	606 No.:	5686	, <u> </u>
Clow/med   MED	iter i vra	(soil/water)	SOIL		Lab Sample	: IO: Sh	77 ta	
Separation   Sep	en i en	t/vel:	1.1 (g/ml)	e	to File I	De OD	09111	
Clearers (Y/N) N	v ~ 3 · 4	(low/med)	мер		Date Recei	veda 09.	/ <b>37</b> /90	
CAS NO.   COSPUEND   CONCENTRATION UNITS:   CAS NO.   COSPUEND   CUG/L or UG/Kg) UG/L   6	det sku	res not deci-	\$4 descrip		Date Eutra	cted: 05.	OVED	
CONCENTRATION UNITS:  (ag/L or ug/Kq) Ug/L	tracti	one (SepH/	Cont/Semm)	SONC	Sate Analy	reed: 09.	/11/90	
99-09-2	i (Jama	outs (V/N)	M	5.4	Dilution F	ector: 3.	.00	
99-09-2	O	MS NO.	COMPOUND				Ð	
207-08-9		332-9 31-28-5 00-02-7 32-64-9 21-14-2 34-66-2 36-73-7 00-01-6 34-52-1 36-30-6 01-35-3 18-74-1 37-86-3 35-01-8 120-12-7 24-74-2 29-00-0 35-68-7 218-01-9 17-81-7 17-84-0		chenol cluene clate nyl-phonyl ne -2-Methylp phenylemin yl-phonyle enzene phenol chenol chenol chenol chenol chenol chenol chenol chenol chenol chenol chenol chenol	henol e (1) the	20000 20000		
	1 5	207-08-9	Benze(k)Flu	oranthene_	Segun grand to a gain a deleta blanc della a substitution	20000		1 1

53-70-3----Dibenz (a,b) Anthracene

111

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14!

20000

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20000

<sup>(1)</sup> Cannot be seperated trot Wiphenylamics

Efficient State SEMIVOLATILE ORGANICS AMALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS : Name: WEYERHAEUSER Contract: MCCOURT The part and that had been supplied to the same of the Lab Sample ID: 563610L cerix: (soil/water) SOIL male wt/vol: 1.1 (g/mL) 8 Lab File ID: 28N09110 Date Received: 09/07/90 eret: (Low/med) MED Ministere: not dec. 18 dec. Date Extracted: 09/10/90 thraction: (Sepf/Cont/Senc) SDNC Date Analyzed: 09/11/70 40 Cleanup: (Y/N) N pH: 6.3 Dilution Factor: 9.0 CONCENTRATION UNITS: (ug/L ar ug/Kg) UG/L mber Tils found: 0

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CAS NUMBER

COMPOUND NAME | RT | EST. CONC. | S |

FORF 1 SV-T10

EFA SAMMER DE

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Cambracte MCCOURT Wilmer WEYERHAEUSER SDG No.: Casto Case No.; 03993 SMS Nort en Code: WEYER Lab Sample ID: 55976 obrin: (soll/water) SOIL 2550997111 Lab File 1D: (1) Ind 1 (3) 1.1 and In willyout Jake Roceivad: 09/07/90 - (low/med) MED Date Extracted: 09/10/90 1.3 Sec. Maistages not dec. 09/11/90 Date Analyzed: SUNC (Sapt / Cont / Sonc ) thraulions

CONCENTRATION UNITS:

Dilution Factor: 1.00 9-45 3.6 T: Cleanup: (YZb) H

(ug/L or ug/Kg) UG/L COMPOUND CAS NO. 111 20000 The second secon 20000 1 20000 20000 1 541-/3-1-----1,3-Dichlorobenzene 1.1.1 1 106-46-7-----i,4-Dichlerobenzene\_\_\_\_i 20000 : 1,1 20000 1 100-51-6----Benzyl Alcohol 111 20000 1 95-50-1-----1,2-01chiorobenzone\_\_\_\_ 20000 11.1 1 95-ga-7-----2-Mathylphonol  $\{i\}$ 20000 111 20000 20000 143 ! 621-64-7-----N-Nitrosa-Di-n-Propysamine\_\_\_! 1.1 20000 20000 111 98-95-3-----Nitrobeozene\_\_\_\_ 13 20000 1 A8-20-1----Isothorone 111 20000 1 88-75-3----2-Nitrophenol\_\_\_\_\_i 20000 (11 111 | 45-85-0------Benzoic Acid\_\_\_\_\_( 98000 113 20000 111 i 120-83-2----2,4-Dichlorophenol\_\_\_\_i 20000 į.,, 20000 11. 1 91-20-3----Naphthalene\_\_\_\_\_ 20000 20000 1() 20000 87-68-3---------Hexachi or obutadiene\_\_\_\_\_1 1 20000 20000 1 91-57-6----2-Mathylnaphthalene\_\_\_\_ 1 20000 20000 88-06-2----2,4,6-Trichlerophenal\_\_\_\_\_ 1 (3 98000 | 95-95-4-----2,4,5-Trichlorophenol\_\_\_\_\_ 20000 (;;) 98000 1 ( # 1 88-74-4-----2-witromilies\_\_\_\_\_i 20000 11. 20000 . ) ; 1 208-95-8------Acenaphthylene 1:1 20000 A constraint of the second of

SEMINULATILE ORGANIUS AMALYSIS DATA SERET TENTATIVELY IDENTIFIED COMPOUNDS Contract: MCCBURT of Genes Wever-Habitsen Dade: WEYER Case No.: 03693 SAS No.: SDG No.: 56350 Lab Sample ID: 55976 atrix: (soil/water) SCIL tab File ID: 2BNO9117 ample wt/vol: 1.1 (g/ml.)  $\Theta$ Date Received: 09/07/90 evel: (lew/med) MED Date Extracted: 09/10/90 Paleture: not doc. 11 dec. Date Analyzed: 09/11/90 utraction: (SecF/Cont/Sonc) SONC of Ulearup: (Y/N) N pH: 5.6 Dilution Factor: 1.00 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L owner TICs found: 1

CAS NUMBER COMPOUND NAME | RT | EST. CONC. | 0 | 1.58 | 17000 | JX

SEMINOLATULE ORGANICS ANALYSIS DATA SHEAT SBUKSI Contract: MCCOURT Vere: WEYERHAEUSER SDB No.: DABSS SAS No.: Dase No.: 03693 on Code: WiyeR Lab Sample ID: SBUKSI abrik: (soli/water) SOIL Lat File ID: . 25805119 (g/ml\_) G pmple wt/vol: 1.0 Date Racerved: (Jow/med) over) i Date Extracted: 09/10/90 dec. Moisture: not dec. Date Analyzed: 09/11/90 SUNG (Sepf/Cont/Sonu) ·tractions Dilukion Factor: 1.0 (Y/N) N oblig C Cleaning CONCENTRATION UNITS: tug/L or ug/Kg: UB/KG COMPOUND CAS NO. 113 20000 20000 20000 1 75-57-6----2-Chlorophenol\_\_\_\_\_ 26000 ! [ . 20000 111 ! 105-46-7-----1,4-0ichlarobenzene\_\_\_\_! 20000 111 ([] 20000 1 95-50-1-----1,2-Dichlorobenzene i.i. 20000 1 95-48-7-----2-Methylphenol\_\_\_\_\_ 20000 111 | 109-30-1-----bis(2-Chicroisopropyl)Exher\_\_1 j ; 20000 1 104-44-5----4-Methylphenol 20000 1 621-54-7----N-Natroso-Di-n-Propylamine\_\_\_t 20000 111 1 A7-77-1----Hexachleresthane 20000 20000 HJ : 1: 20000 20000 . . . 1 105-67-9-----2, a-Dimethylphenol\_\_\_\_ 96000 14 1 65-33-0----Benzoic Acid 20000 : 11 20000 16 1 120 63-2 -----2,4-Oichlorophenol\_\_\_\_\_ 20600 111 t 120-89-1----1,2,4-Trichlorobenzede\_\_\_\_\_ 111 20000 20000 111 20000 10 87-68-3----Hexachlorobutadiene 20000 (Li : 59-50-7----4-Chloro-3-Methylphenci 1 ... 20000 13 20000 77-47-4-----Hexachiorocyclopentadione\_\_\_\_ 20000 1 ... | 88-00-2----2,4,6-Trichloropheno| 96000 113 1 95-95-4----2,4,5-Trichlorophenol\_\_\_\_\_ 20000 112 94000 111 1 68-74 4----2-Nitrosniline 20000 11. 1 131-11-5-----Dimethyl Phthalatz\_\_\_\_\_ 20000 20000 1U300-20-2---2,8-Dinitrotoluene

		CONCURRA LA REPUBLICACIÓN O	ILE UNCANICS ANALY	STS DATA SE	ieet			riwi si
Code: WEYER   Case No.: 0.5693   SAS No.:   SEE No.: 16305		Section Co. Co. Section Co.	er fransk i kommen e skrift dit fran Star Ball (m. 1915). Maari k			:	an ka	in the same of the same same same same same same same sam
### ### ##############################	त्र <b>्र</b> वन	me: WEYERHAEU	BEF:	Contract:	MCCOURT	† 1	and to state these values value and we	
### ### ##############################	.( <sub>"ie</sub> ,	de: WEYER	Case No.: 03693	SAS No.:		808 N	out deS	no see Sultant
### (Top/med) MED	other	: (soil/weter	) BOIL	Ł.,	.ab Sampl	e iD:	SBUKSI	
## Add Clarer and dec.   Date Extracted: 09/10/90	musil 6	- wt/vol:	1.0 (g/mL) 8	1	sh File	) Oz	2BN0711	(Å)
Contents	~_(9] g	(law/med)	MED	Ĭ.	ate Roce	ived:		
COMPOUND   COMPOUND	.103.5.	tures not dec.	. dec.	¥7,	ale Extr	ecteds	697107 <b>9</b>	0
	. trai.	tions (Sopt.	/Cont/Sont) SC	DAC I	)ate Amai	yz (ed a	09/11/9	Ø
	or er	earum (YZN)	p Mg galeda	Ž.	vilution <sup>,</sup>	Festors	1.0	
				CONCENT	(KATION U	NITS:		
100-02-7		CAS NO.	COMPOUND	(ug/i. c	m ug/Kg)	U@/KG		
100-02-7	,			•	7	eren e ere en		
131-28-5-   2,4-Dinitrophenol   76000   10     132-64-7-	!						**	ì
100-02-)								
132-64-9	;							i
121-16-2		The state of the s	4-Witrophenol_	ag and some for goods about the couple desire to the first of				
( ) 7001-72-3		132-64-9	Dibenzofuran	na namba danta nakup ning mina 8 day adda ning gar yingka as				•
194-56-2		121-18-2	2,4-Dinitrotol	uene	} 	5000	60 HJ	:
7   700'u-72-3	· `\ .	Sal the contract of the contract of	Diethvlohtnale	et e		2000	io iu	A F
105-01-6	, );	TOTAL	4-Chlorophenvi	-pheny): Line	35	3000	M Du	T.
100-01-6	١.,					2000	o (U	į
534-32-1	i					9500	iO 155	ŧ
Po-30 A	; •					9500	io IU	1
101-55-3	;		the state of the second state of the state of the state of the second state of the	era visioner a meneral en er er er er er er er er er er er er er	2 mg + mg + tm . =			
118-74-1								1
17-86-C								i
25-01-8 Phenanthrene 20000 18 120-12-7 Anthracene 20000 18 120-12-7 Phenanthrene 20000 18 120-12-7 Phenanthrene 20000 18 120-00-44-0 Fluoranthene 20000 18 129-00-0 Pyrene 20000 18 129-00-0 Pyrene 20000 18 129-00-0 Pyrene 20000 18 129-00-0 Pyrene 20000 18 120-000-0 Pyrene 20000 18	•							:
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205-44-0 Fluoranthene 129-00-0 Pyrene 20000 IU 129-00-0 Pyrene 20000 IU 219-4-1 Sylvanthene 20000 IU 219-4-1 Sylvanthene 20000 IU 219-01-7 Enzylvanthene 20000 IU 219-01-7 Sylvanthene 20000 IU 219-01-7 Sylvanthene 20000 IU 217-84-0 Sylvanthene 20000 IU 205-99-2 Senzo(b)Fluoranthene 20000 IU 207-08-9 Senzo(a)Pyrene 20000 IU 207-32-3 Senzo(a)Pyrene 20000 IU 207-32-3 Senzo(a)Pyrene 20000 IU 207-32-3 Senzo(a)Pyrene 20000 IU	į							
129-00-0	:					••••	•	3
35-69-7								į
85-69-7	i	320m/)(-0	Fyrene	ner whyle women blong pryes, draw! daude mann graft die g derlie del	,, to to t			
91-94-13,3'-Dich}or obenzidine	:	1 35-68-7	Butylbenzyiph	:halate	<u></u> l		•	1
S6-55-3	1	91941	3.3 $-Dichlorob$	enzidine		400C		<b>!</b>
218-01-7						2000	00 HU	<b>!</b>
						2000	10 IU	1
117-84-0		)	- This is 19-5ther has	evi) obthalat	Lee 1	2000	00 IU	1
205-99-2Benzo(b)Fluoranthene			The second second	- halarm		2000	90 HJ	l i
207-08-9		ELANDATA	and it was by a	anitigana	133 may to been street from	-,		}
50-32-8								<u> </u>
193-39-1)								1
53-70-3								· !
The state of the s								4
1 191-94-9								1
	`	191-24-2	Benzo(q,h,1)Po	erylene		EMA.	ACCOUNTS	; ?

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Ere Senett of

SULKGI

Name: WEYERHAEUSER

Contract: MUCCURT

ab Code: WEYER Case No.: 03693 SAS No.: 508 No.: 56355

atrix: (soil/water) SOIL

ample wt/vol: 1.0 (g/ml) 8

Lab Sample ID: SBLKS1

Lab File ID: 2BNO711A

evel: (low/med) MED

Date Received:

Moisture: not dec. dec.

Dato Extracted: 09/10/90

xtraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 09/11/90

PC Cleanup: (Y/N) N cH:

Dilution Factor: 1.0

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

ember TICs found: 0

CAS NUMBER COMPOUND NAME THE REST OF THE PARTY AND THE

1787 Neve

100-57-9-----2,4-Dimethylphenol\_\_\_\_

65-85-0-----Benzoic Acid

111-91-1-----bis(2-Chlocoethoxy)Methane\_\_\_!

120-83-2----2,4-Dichlorophenol\_\_\_\_

120-82-1----1,2,4-Trich) or observene\_\_\_\_i

106-47-8----4-Chioroaniling

67-68-3-----Hexachlorobutadiene\_\_\_\_\_

59-50-7-----4-Chloro-3-Methylphonol\_\_\_\_!

91-57-6----2-Mothylnaphthalene\_\_\_\_ 77-47-4----Hexachlorocyclopentadiene\_\_\_\_

89-06-2----2.4.6-Trichlorophenol\_\_\_\_\_

91-56-7-----2-Chloronaphthalene

131-11-5-----Dimethyl Phthalate\_\_\_\_\_

208-94 8------Acensphthylene\_\_\_\_\_

606-20-2-------2,6-0initratalusas\_\_\_\_\_

SEMIVOLATILE CROANICS AMALYSIS D	STATET
	i ARRELIMS ; ARRELIMS ;
TO NAME: WEYERHAEUSER Conti	ract: MCCOURT
ad ade: WEYER Case No.: 03693 SAS	No.: 5D9 No.: 56355
etrix: (soil/water: SOIL	Lab Sample ID: 5635588
emple wt/vol: 1.5 (g/mt) 6	Late File ID: ZBM0911J
evel: (low/med) MED	Date Received: 09/07/90
Moisture: not dec. 21 dec.	Date Extracted: 09/10/90
straction: (SepF/Cont/Sonc) SONC	Date Analyzed: 09/11/90
PC Cleenup: (Y/N) N pH: 6.9	Dilution Factor: (20
n	ONCENTRATION UNITS:
	ug/L, or ug/Kg) UG/L
Pater of the Pater	17000 (U
( 108-95-2Phenol   111-44-4bis(2-Chloroethyl)E	firer   17000   U
95-57-82-Chiorophenol	1 17000 IU I
541-73-11,3-Dichler obenzene	Compa Series and a series to the series of t
106-66-/1,4-Dichlorobenzene	
1 100-51-5Benzyl Alcohol	
): 95-50-11,2-Dichlorobenzens	
95-48-72-Methylphenol	17000 [1]
195-48-72-Methylphenol   108-60-1bis(2-Chloruisoprop	yl)Ether_  17000  U
106-44-54-Methylphenol	2700C III
1 621-64-7 N-Nitrosa-Di-n-Prop	vlamine 17000 lU
1 67-72-i	17000 (U
98-95-jNitrobenzena	
1 78-59-1	
88-75-52-Nitrophenol	17000 NJ

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APMP11MG Contract: MCCGUNT / Yang: WEYERHAEUSER 909 No.: 56355 Case No.: 03693 SAS No.: to Code: WEYER S6.355MS Lab Sample ID: drin: (squi/water) SQIL Tab File ID: 25N09113 1.5 (9/ml.) 9 male wt/vol: 09/07/90 Date Received: MED (Low/med) over it Date Extracted: 09/10/90 Moisture: not dec. 2.1 17692 6 Date Analyzed: 19751790 SONO (SepF/Cont/Sanc) Strachion: Diluxion Factor: 1.0 3 14 ( ) 6-5 (Y/N) N 'C Cleanup: CONCENTRATION UNITE: (3 (ug/L or ug/Kg) UG/L COMPOUND COS NO. 10 81000 17000 [[] 1 83-32-Quantum - Acenepathena 81000 111 1 51-28-5----2,4-Dinitrophenol\_\_\_\_\_! 81000 1 1 100-02-7-----4-Witroptenol\_\_\_\_ ; () 17000 111 17000 17000 111 1 84-66-2----Diethylphthalate\_\_\_\_\_ 17000 1 5 5 7005-72-3----4-Chlorophenyl-phenylether\_\_\_3 11) 17000 U 81000 ! 100-01-6-----4-Witroaniline\_\_\_\_! 31000 B 111 | 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_| 1 86-30-6----N-Mitrosodiphenylamine (1)\_\_\_\_l 17000 1 13 17000 111 | 101-55-3----4-Bromophenyl-phenylether\_\_\_\_| 17000 113 1 118-74-1-----Hexachlarobenzene\_\_\_\_\_ HJ 81000 | 87-86-5----Pentachlorophenol\_\_\_\_\_| 17000 111 111 17000 17000 U 84-74-2----Di-n-Betylphthalate 113 17000 206-44-0----Fluorerthene\_\_\_\_l 10 17000 11 1 85-68-7----Butylbenzylphthalate\_\_\_\_\_ 17000 33000 111 | 91-94-1----3,3'-Wichlorobenzidine\_\_\_\_: 17000 W 56-55-3----Benzo(a)Anthracene\_\_\_\_\_ 11) 17000 218-01-9----Chrysene 111 17000 | ii7-81-7-----bis(2-Ethylhexyl)phthalate\_\_\_| (1) 17000 17000 113 205-99-2----Benzo(b)Fluoranthene\_\_\_\_\_| 111 17000 207-08-9----Benza(k)Fluorenthene 113. 17000 1 50-32-8----Bonzo(a) Pyrwne\_\_\_\_ 17000 10 [ 193-39-5----Indeno(1,2,3-cd)Fyrene\_\_\_\_\_( 17000 111 53-70-34----Dibenz (m,h) Anthracene\_\_\_\_1

FORM 1 5V-2

(i) - Cannot be separated from Diphonylamine

12000

11)

#### SEMINATER METHOD PLANK SUMMARY

1. Name: WEYERHAEUSER

Comtract: MCCOURT

Dode: WEYER - Case No.: 03693 SAS Mo.: SDG Mo.: 56355

A File ID:

2BN0911A

Lab Sample 1D: SELKS1

ave Extracted: 09/10/90

Extraction: (SepF/Cont/Sonc) 50ML

the Amalyzed: 09/11/90

Time Analyzed: 1141

aboth: (goil/water) 90%.

Level: (low/med) MED

collement 1D: FINMS

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

SPA		LAB	1	L/AB		DATE	7
SAMPLE NO.	1	SAMPLE	7.Ω	FILE ID	ŧ ;	ANALYZED	;
	: =	m mg orginal i del lan im m		gg and that the the the the table to be the table	mena j	n mar dan dan mengantan tahu dan s	: ;
DITABNP11	1	56353	ž *	28M0411B	3	09/11/90	1
021ABNP12	1	56356	Í	2BN0911K	;	09/11/90	ť
OSTABNP12DL	1	56356DL	1	2BN0911L	!	09/11/90	ŧ
04 ABNP13	į	56357	17	29M0941D	i i	09/11/90	į
OS!ABNP13DL	į	563570L	i	28M0911M	1	09/11/90	ì
05:ABNP14	ţ	56358	Ę	2PNO911E	1	09/11/90	•
07   ABNP 15	5	56359	ŧ 1	SBN0911E	ļ	09/11/90	į
OBTABNP15DL	į	56379DL	1	22N0911N	i	09/11/90	ì
091ABNP15	}	5630	Į.	28M09110	<u> </u>	09/11/90	;
10:ABNP17	3	56361	ļ	29A0911H	ţ	09/11/90	1
11   ABNP 17DL	4	56361DL	<u> </u>	26N09110	Ì	09/11/90	į
12   WW7	1	55975	!	2BM04111	Į.	09/11/90	į
13/ABNP11M3	ŕ	55355MS	i	2BN0911J	1	09/11/90	1
And some way that had \$1 to be about the back.	Į,	grad gadino thicks have in over the column in here in	j 	ngang kinang ngabal amana dapi di ngana, Arrina dapi kinasi. Ing lian ar har m	}	II was ville prop dear and sold sail part grays i	}

MMENTS: SBLKS1 (MED)

40(2)320@8(4) INST-FIBN2

/



# ⚠ Weyerhaeuser

July 11, 1991 Date

From Rick Bogar

Tacoma, WTC 2F25 Location

Aberdeen Soil Samples - NP-1/ PENTA Cleanup Subject

Mick McCourt WTC 2H4 To

> 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. we can be of assistance in the future.

Wick Bogan

Rick Bogar Analytical Chemistry Laboratories

Attachment

#### **1B** SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: MCCOURT Iame: WEYERHAEUSER

WEYAB201

ab Code: WEYER Case No.: 05855 SAS No.:

SDG No.: 72326

atrix: (soil/water) SOIL

ample wt/vol: 1.1 (g/mL) G

Lab Sample ID: 72326

2BN10709F

Ξ

evel: (low/med) MED

Date Received: 05/30/91

Lab File ID:

Moisture: not dec.

dec.

Date Extracted: 07/03/91

xtraction:

(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 Q CAS NO. COMPOUND

		1 .
108-95-2Phenol	18000	ן ט
111-44-4bis(2-Chloroethyl)Ether	18000	υ
95-57-82-Chlorophenol	18000	שׁוֹ
541-73-11,3-Dichlorobenzene	18000	υ
106-46-71,4-Dichlorobenzene	18000	ט
100-51-6Benzyl Alcohol	18000	บ
95-50-11,2-Dichlorobenzene	18000	U
95-48-72-Methylphenol	18000	U
108-60-1bis(2-Chloroisopropyl)Ether	18000	U
106-44-54-Methylphenol	18000	Įυ
621-64-7N-Nitroso-Di-n-Propylamine	18000	ן ט
67-72-1Hexachloroethane	18000	Ŭ
98-95-3Nitrobenzene	18000	U
78-59-1Isophorone	18000	U
88-75-52-Nitrophenol	18000	U
105-67-92,4-Dimethylphenol	18000	U
65-85-0Benzoic Acid	87000	U
111-91-1bis(2-Chloroethoxy)Methane	18000	U
120-83-22,4-Dichlorophenol	18000	U
120-82-11,2,4-Trichlorobenzene	18000	ן ט
91-20-3Naphthalene	18000	ט
106-47-84-Chloroaniline	18000	U
87-68-3Hexachlorobutadiene	18000	U
59-50-74-Chloro-3-Methylphenol	18000	U
91-57-62-Methylnaphthalene	18,000	U
77-47-4Hexachlorocyclopentadiene	18000	U
88-06-22,4,6-Trichlorophenol	18000	บ
95-95-42,4,5-Trichlorophenol	87000	U
91-58-72-Chloronaphthalene	18000	U
88-74-42-Nitroaniline	87000	U
131-11-3Dimethyl Phthalate	18000	U
208-96-8Acenaphthylene	18000	U
606-20-22,6-Dinitrotoluene	18000	U
		l

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Ŀį

Jame: WEYERHAEUSER Contract: MCCOURT WEYAB201

Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

Matrix: (soil/water) SOIL Lab Sample ID: 72326

3ample 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

GPC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:

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

One we	, ,		•
	a witusanilina	87000	U
99-09-2	-3-Nitroaniline	18000	<b>ט</b>
83-32-9	-Acenaphene	87000	ϋ
51-28-5	-2,4-Dinitrophenol	87000	υ
100-02-7	-4-Nitrophenoi	18000	บ
132-64-9	-Dipenzoluran	18000	<b>ט</b>
121-14-2	-2,4-Dinitrotoluene	18000	ϋ
84-66-2	-Diethylphthalate	18000	บั
7005-72-3	-4-Chlorophenyl-phenylether	18000	บั
86-73-7	-Fluorene	87000	ט
100-01-6	-4-Nitroaniline	87000	Ü
534-52-1	-4,6-Dinitro-2-Methylphenol	18000	บั
86-30-6	-N-Nitrosodiphenylamine (1)	18000	ΰ
101-55-3	-4-Bromophenyl-phenylether	18000	ן ט
118-74-1	-Hexachlorobenzene	11000	J
87-86-5	-Pentachlorophenol	18000	Ü
85-01-8	-Phenanthrene	18000	ΰ
120-12-7	-Anthracene	18000	ΰ
84-74-2	-Di-n-Butylphthalate	18000	ซ
206-44-0	-Fluoranthene		
129-00-0	-Pyrene	18000	ט
85-68-7	-Butylbenzylphthalate	18000	
91-94-1	-3,3'-Dichlorobenzidine	36000	ן טַ
56-55-3	-Benzo(a)Anthracene	18000	ָט
218-01-9	-Chrysene	18000	ָט
117-81-7	-bis(2-Ethylhexyl)phthalate	18000	ū
117-84-0	-Di-n-Octyl Phthalate	18000	ū
205-99-2	-Benzo(b)Fluoranthene	18000	[ ת
207-08-9	-Benzo(k) Fluoranthene	18000	ן ש
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	ן ש
	Distribution of the second sec		11

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WEYAB201

fame: WEYERHAEUSER

Contract: MCCOURT

ab Code: WEYER

Case No.: 05855 SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72326

lample wt/vol:

1.1 (g/mL) G

Lab File ID:

2BN10709F

evel:

(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

lumber TICs found:

RTEST. CONC. CAS NUMBER COMPOUND NAME

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ame: WEYERHAEUSER Contract: MCCOURT WEYAB202

ab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

atrix: (soil/water) SOIL Lab Sample ID: 72327

ample wt/vol: 1.9 (g/mL) G Lab File ID: 2BN10709G

evel: (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:

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

	108-95-2Phenol	420000	U	
1	111-44-4bis(2-Chloroethyl)Ether	420000	U	1
١	95-57-82-Chlorophenol	420000	U	ł
l	541-73-11,3-Dichlorobenzene	420000	ប	
l	106-46-71,4-Dichlorobenzene	420000	U	l
1	100-51-6Benzyl Alcohol	420000	ប	
ŀ	95-50-11,2-Dichlorobenzene	420000	U	ı
ı	95-48-72-Methylphenol	420000	บ	
	108-60-1bis(2-Chloroisopropyl)Ether	420000	Ū	ı
l	106-44-54-Methylphenol	420000	U	
l	621-64-7N-Nitroso-Di-n-Propylamine	420000	U	
ļ	67-72-1Hexachloroethane	420000	U	
ł	98-95-3Nitrobenzene	420000	U	l
l	78-59-1Isophorone	420000	ប	
	88-75-52-Nitrophenol	420000	U	l
	105-67-92,4-Dimethylphenol	420000	บ	ı
	65-85-0Benzoic Acid	2000000	ប	1
1	111-91-1bis(2-Chloroethoxy)Methane	420000	ប	١.
ł	120-83-22,4-Dichlorophenol	420000	ប	
I	120-82-11,2,4-Trichlorobenzene	420000	ប	
İ	91-20-3Naphthalene	420000	U	
1	106-47-84-Chloroaniline	420000	U	
	87-68-3Hexachlorobutadiene	420000	U	
	59-50-74-Chloro-3-Methylphenol	420000	ับ	
۱	91-57-62-Methylnaphthalene	420000	U	ı
١	77-47-4Hexachlorocyclopentadiene	420000	บ	
1	88-06-22,4,6-Trichlorophenol	420000	U	
١	95-95-42,4,5-Trichlorophenol	2000000	Ū	1
1	91-58-72-Chloronaphthalene	420000	U	
I	88-74-42-Nitroaniline	2000000	שׁ	
I	131-11-3Dimethyl Phthalate	420000	บั	I
-	131-11-3DIMECHYI FIRMACE	420000	Ū	1
١	208-96-8Acenaphthylene 606-20-22,6-Dinitrotoluene	420000	Ū	
1	600-20-2		] -	ĺ
- [			- 1 <del></del>	- 1

#### 1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: MCCOURT Iame: WEYERHAEUSER

WEYAB202

SDG No.: 72326

atrix: (soil/water) SOIL

Case No.: 05855 SAS No.:

Lab Sample ID: 72327

ab Code: WEYER

3

ample wt/vol: 1.9 (g/mL) G

Lab File ID:

2BN10709G

evel: (low/med) MED

Date Received: 05/30/91

Moisture: not dec.

dec.

Date Extracted: 07/03/91

xtraction:

(SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

PC Cleanup: (Y/N) N

CAS NO. COMPOUND

pH:

Dilution Factor: 40

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

Q

9-09-23-Nitroaniline	2000000	υ
33-32-9Acenaphthene	420000	ט
51-28-52,4-Dinitrophenol	2000000	υ
00-02-74-Nitrophenol	2000000	ן ט
32-64-9Dibenzofuran	420000	U
21-14-22,4-Dinitrotoluene	420000	U
34-66-2Diethylphthalate	420000	ט
7005-72-34-Chlorophenyl-phenylether	420000	ט
36-73-7Fluorene	420000	ប
00-01-64-Nitroaniline	2000000	U
534-52-14,6-Dinitro-2-Methylphenol	2000000	ប
86-30-6N-Nitrosodiphenylamine (1)	420000	ŀŪ
01-55-34-Bromophenyl-phenylether	420000	ប
18-74-1Hexachlorobenzene	420000	Ü
37-86-5Pentachlorophenol	1600000	J
35-01-8Phenanthrene	420000	- [บ
120-12-7Anthracene	420000	บ
34-74-2Di-n-Butylphthalate	420000	U
206-44-0Fluoranthene	420000	U
29-00-0Pyrene	420000	บ
35-68-7Butylbenzylphthalate	420000	บ
01-94-13,3'-Dichlorobenzidine	840000	ט
56-55-3Benzo(a) Anthracene	420000	ש
218-01-9Chrysene	420000	U
117-81-7bis(2-Ethylhexyl)phthalate	420000	Ū
117-84-0Di-n-Octyl Phthalate	420000	U
205-99-2Benzo(b) Fluoranthene	420000	υ
207-08-9Benzo(k) Fluoranthene	420000	Ū
50-32-8Benzo(a) Pyrene	420000	U
193-39-5Indeno(1,2,3-cd)Pyrene	420000	ן ט
53-70-3Dibenz(a,h)Anthracene	420000	U
191-24-2Benzo(g,h,i)Perylene	420000	ט
- Cannot be separated from Diphenylamine		_

**1**F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB202

ame: WEYERHAEUSER

Contract: MCCOURT

ab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

(atrix: (soil/water) SOIL

72327

ample wt/vol:

(g/mL) G 1.9

Lab File ID:

Lab Sample ID:

2BN10709G

evel:

(low/med) MED

Date Received:

05/30/91

: Moisture: not dec. xtraction:

(SepF/Cont/Sonc)

CONT

Date Analyzed:

Date Extracted: 07/03/91

07/09/91

PC Cleanup: (Y/N) N

pH:

dec.

Dilution Factor: 40

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

jumber TICs found:

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.49	760000	ЈХ

Q

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WEYAB203

Lame: WEYERHAEUSER Contract: MCCOURT

Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

fatrix: (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

FPC Cleanup: (Y/N) N pH: Dilution Factor: 20

CONCENTRATION UNITS:

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

·		1
108-95-2Phenol	210000	U
111-44-4bis(2-Chloroethyl)Ether	210000	ប
95-57-82-Chlorophenol	210000	<b>U</b>
541-73-11,3-Dichlorobenzene	210000	U
106-46-71,4-Dichlorobenzene	210000	υ
100-51-6Benzyl Alcohol	210000	U
95-50-11,2-Dichlorobenzene	210000	U
95-48-72-Methylphenol	210000	U
108-60-1bis(2-Chloroisopropyl)Ether	210000	U
106-44-54-Methylphenol	210000	U
621-64-7N-Nitroso-Di-n-Propylamine	210000	ប
67-72-1Hexachloroethane	210000	ប
98-95-3Nitrobenzene	210000	ប
78-59-1Isophorone	210000	บ
88-75-52-Nitrophenol	210000	U
105-67-92,4-Dimethylphenol	210000	บ
65-85-0Benzoic Acid	1000000	U
111-91-1bis(2-Chloroethoxy) Methane	210000	ับ
120-83-22,4-Dichlorophenol	210000	T
120-82-11,2,4-Trichlorobenzene	210000	ע
91-20-3Naphthalene	210000	שׁ
106-47-84-Chloroaniline	210000	ប
87-68-3Hexachlorobutadiene	210000	ט
59-50-74-Chloro-3-Methylphenol	210000	U
91-57-62-Methylnaphthalene	210000	U
77-47-4Hexachlorocyclopentadiene	210000	U
88-06-22,4,6-Trichlorophenol	210000	ប
95-95-42,4,5-Trichlorophenol	1000000	[ប
91-58-72-Chloronaphthalene	210000	[ប
88-74-42-Nitroaniline	1000000	U
131-11-3Dimethyl Phthalate	210000	U
208-96-8Acenaphthylene	210000	ַ ט
606-20-22,6-Dinitrotoluene	210000	U
· · · · · · · · · · · · · · · · · · ·		

EPA SAMPLE NO.

WEYAB203

2BN10709H

Contract: MCCOURT Jame: WEYERHAEUSER

Case No.: 05855 Lab Code: WEYER

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

72328 Lab Sample ID:

3ample wt/vol:

(q/mL) G 1.9

05/30/91

(low/med) MED Level:

Date Received:

CONCENTRATION UNITS:

Lab File ID:

\* Moisture: not dec.

dec.

Date Extracted: 07/03/91

Extraction:

(SepF/Cont/Sonc)

CONT

Date Analyzed: 07/09/91

FPC Cleanup: (Y/N) N

:Hq

Dilution Factor: 20

Q (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. 1000000 U 99-09-2----3-Nitroaniline 210000 U 83-32-9----Acenaphthene 1000000 U 51-28-5----2,4-Dinitrophenol\_ 1000000 U 100-02-7----4-Nitrophenol U 210000 132-64-9-----Dibenzofuran\_ U 121-14-2----2,4-Dinitrotoluene 210000 210000 U 84-66-2----Diethylphthalate U 210000 7005-72-3----4-Chlorophenyl-phenylether\_ U 210000 86-73-7-----Fluorene U 1000000 100-01-6----4-Nitroaniline U 534-52-1----4,6-Dinitro-2-Methylphenol 1000000 210000 U 86-30-6----N-Nitrosodiphenylamine (1) 210000 U 101-55-3----4-Bromophenyl-phenylether\_ U 210000 118-74-1-----Hexachlorobenzene 1400000 87-86-5----Pentachlorophenol U 210000 85-01-8----Phenanthrene U 210000 120-12-7-----Anthracene 210000 U 84-74-2-----Di-n-Butylphthalate U 210000 206-44-0----Fluoranthene\_ 210000 U 129-00-0----Pyrene U 210000 85-68-7----Butylbenzylphthalate U 91-94-1----3,37-Dichlorobenzidine\_\_\_ 420000 U 210000 56-55-3----Benzo(a)Anthracene\_ U 210000 218-01-9-----Chrysene U 210000 117-81-7-----bis(2-Ethylhexyl)phthalate\_ U 210000 117-84-0-----Di-n-Octyl Phthalate\_ U 210000 205-99-2----Benzo(b) Fluoranthene\_ U 210000 207-08-9----Benzo(k) Fluoranthene Ú 210000 50-32-8-----Benzo(a) Pyrene\_ U 210000 193-39-5----Indeno(1,2,3-cd)Pyrene\_ 210000 U 53-70-3----Dibenz(a,h)Anthracene U 210000 191-24-2----Benzo(g,h,i)Perylene\_ (1) - Cannot be separated from Diphenylamine

**1**F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WEYAB203

lame: WEYERHAEUSER

Contract: MCCOURT

ab Code: WEYER

Case No.: 05855 SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

72328 Lab Sample ID:

sample wt/vol:

1.9 (g/mL) G

Lab File ID:

2BN10709H

(low/med) MED

Date Received:

05/30/91

Moisture: not dec.

dec.

Date Extracted: 07/03/91

Extraction:

evel:

(SepF/Cont/Sonc) CONT

Date Analyzed:

07/09/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 20

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

Number TICs found:

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q 	
1.	UNKNOWN	25.99	220000	JХ	

WEYAB204

U

U

U

U

930000

930000

930000

4500000

Contract: MCCOURT Name: WEYERHAEUSER

105-67-9----2,4-Dimethylphenol

606-20-2----2,6-Dinitrotoluene

65-85-0----Benzoic Acid

Lab Code: WEYER

SDG No.: 72326 SAS No.: Case No.: 05855

72329 Lab Sample ID: Matrix: (soil/water) SOIL

2BN10709C Lab File ID: (g/mL) G 1.7 3ample wt/vol:

Date Received: 05/30/91 (low/med) MED Level:

Date Extracted: 07/03/91 dec.

% Moisture: not dec. 07/09/91 Date Analyzed: SONC

(SepF/Cont/Sonc) Extraction:

Dilution Factor: 80 pH: GPC Cleanup: (Y/N) N

Q (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. U 930000 108-95-2----Phenol U 111-44-4-----bis(2-Chloroethyl)Ether\_ 930000 930000 U 95-57-8----2-Chlorophenol U 930000 541-73-1----1,3-Dichlorobenzene U 930000 106-46-7----1,4-Dichlorobenzene\_ U 930000 100-51-6----Benzyl Alcohol U 930000 95-50-1-----1,2-Dichlorobenzene U 930000 95-48-7----2-Methylphenol U 108-60-1-----bis(2-Chloroisopropyl)Ether\_ 930000 U 930000 106-44-5----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 930000 U 930000 67-72-1-----Hexachloroethane\_\_\_\_ U 930000 98-95-3-----Nitrobenzene\_ U 930000 78-59-1-----Isophorone U 930000 88-75-5----2-Nitrophenol

CONCENTRATION UNITS:

111-91-1----bis(2-Chloroethoxy)Methane U 930000 120-83-2----2,4-Dichlorophenol U 930000 120-82-1----1,2,4-Trichlorobenzene\_ U 930000 91-20-3----Naphthalene U 930000 106-47-8----4-Chloroaniline U 930000 87-68-3-----Hexachlorobutadiene U 930000 59-50-7----4-Chloro-3-Methylphenol\_ 930000 U 91-57-6----2-Methylnaphthalene 77-47-4-----Hexachlorocyclopentadiene 930000 U U 930000 88-06-2----2,4,6-Trichlorophenol U 95-95-4----2,4,5-Trichlorophenol 91-58-7----2-Chloronaphthalene 4500000 U 930000 U 4500000 88-74-4----2-Nitroaniline U 930000 131-11-3-----Dimethyl Phthalate U 930000 208-96-8-----Acenaphthylene\_

EPA SAMPLE NO.

WEYAB204

Contract: MCCOURT Name: WEYERHAEUSER

ab Code: WEYER

SAS No.: Case No.: 05855

SDG No.: 72326

atrix: (soil/water) SOIL

Lab Sample ID: 72329

ample wt/vol: 1.7 (g/mL) G

Date Received: 05/30/91

evel: (low/med) MED

Lab File ID:

2BN10709C

Moisture: not dec.

Date Extracted: 07/03/91

Date Analyzed: 07/09/91

xtraction: (SepF/Cont/Sonc) SONC

PC Cleanup: (Y/N) N

pH:

dec.

Dilution Factor: 80

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

CAS NO.	COMPOUND (u	g/L or ug/Kg)	UG/KG	Q
	a witrophiline		4500000	ט
99-09-2	3-Nitroaniline	<del></del>	930000	ប
83-32-9	Acenaphthene		4500000	U
51-28-5	2,4-Dinitrophenol		4500000	U
100-02-7			930000	U
132-64-9	Dibenzofuran		930000	ט
121-14-2	2,4-Dinitrotoluene	<del></del>	930000	บ
84-66-2	Diethylphthalate	lother	930000	Ü
7005-72-3	4-Chlorophenyl-pheny	Terner	930000	Ü
86-73-7	Fluorene		4500000	ϋ
100-01-6	4-Nitroaniline		4500000	บั
534-52-1	4,6-Dinitro-2-Methyl	pnenor	930000	Ü
26-30-6	N-Nitrosodiphenylamı	ne (1)	930000	Ü
101-55-3	4-Bromophenyl-phenyl	etner	930000	۱ŭ
118-74-1	Hexachlorobenzene			1
87-86-5	Pentachlorophenol		5600000	,,
85-01-8	Phenanthrene		930000	U
120-12-7	Anthracene		930000	1 -
84-74-2	Di-n-Butylphthalate_		930000	ប
206-44-0	Fluoranthene		930000	ט
120-00-0	Pyrene		930000	U,
25-62-7	Butylbenzylphthalate		930000	U
01-04-1	3,3'-Dichlorobenzidi	ne	1900000	U
91-94-1	Benzo(a)Anthracene_		930000	U
210-01-0	Chrysene		930000	ַט
218-01-9	bis(2-Ethylhexyl)pht	halate	930000	U
11/-81-/	Di-n-Octyl Phthalate		930000	U
117-84-0	Benzo(b) Fluoranthene	<u></u>	930000	U
205-99-2	Benzo(k) Fluoranthene	<u> </u>	930000	U
207-08-9	Panac (2) Purana	<b></b>	930000	U
50-32-8	Benzo(a) Pyrene	ne	930000	lσ
193-39-5	Indeno(1,2,3-cd) Pyre		930000	Ū
53-70-3	Dibenz(a,h)Anthracer		930000	Ū
191-24-2	Benzo(g,h,i)Perylene	<del></del>	55555	] _

**1**F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB204

'ame: WEYERHAEUSER

Contract: MCCOURT

ab Code: WEYER

Case No.: 05855 SAS No.:

SDG No.: 72326

atrix: (soil/water) SOIL

72329

ample wt/vol:

1.7 (g/mL) G

Lab File ID:

Lab Sample ID:

2BN10709C

evel: (low/med) MED

Date Received: 05/30/91

Moisture: not dec.

dec.

Date Extracted: 07/03/91

xtraction:

(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

umber TICs found:

RTEST. CONC. COMPOUND NAME CAS NUMBER

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Name: WEYERHAEUSER Contract: MCCOURT

WEYAB205

Case No.: 05855 SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

1.3 (q/mL) G

COMPOUND

Lab Sample ID: 72330

Lab File ID: 2

2BN10709I

evel: (low/med) MED

Date Received: 05/30/91

Moisture: not dec.

dec.

Date Extracted: 07/03/91

Extraction: (Sepi

CAS NO.

(SepF/Cont/Sonc)

CONT

Date Analyzed: 0

07/09/91

Q

FPC Cleanup:

Lab Code: WEYER

Sample wt/vol:

(Y/N) N

pH:

Dilution Factor: 20

CONCENTRATION UNITS:

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

300000 108-95-2----Phenol 300000 U 111-44-4----bis(2-Chloroethyl)Ether\_ U 300000 95-57-8----2-Chlorophenol 300000 U 541-73-1----1,3-Dichlorobenzene U 106-46-7----1,4-Dichlorobenzene 300000 U 300000 100-51-6----Benzyl Alcohol U 300000 95-50-1----1,2-Dichlorobenzene 300000 U 95-48-7----2-Methylphenol U 108-60-1-----bis(2-Chloroisopropyl)Ether\_ 300000 300000 U 106-44-5----4-Methylphenol 300000 U 621-64-7----N-Nitroso-Di-n-Propylamine\_ U 300000 67-72-1-----Hexachloroethane\_\_ U 300000 98-95-3-----Nitrobenzene U 300000 78-59-1-----Isophorone U 300000 88-75-5----2-Nitrophenol U 300000 105-67-9----2,4-Dimethylphenol 1500000 U 65-85-0-----Benzoic Acid U 111-91-1-----bis(2-Chloroethoxy)Methane 300000 U 300000 120-83-2----2,4-Dichlorophenol\_ 120-82-1----1,2,4-Trichlorobenzene U 300000 U 91-20-3----Naphthalene 300000 U 106-47-8----4-Chloroaniline 300000 300000 U 87-68-3-----Hexachlorobutadiene U 300000 59-50-7----4-Chloro-3-Methylphenol U 300000 91-57-6----2-Methylnaphthalene U 300000 77-47-4-----Hexachlorocyclopentadiene\_ 300000 U 88-06-2----2,4,6-Trichlorophenol 1500000 U 95-95-4----2,4,5-Trichlorophenol\_ 300000 U 91-58-7----2-Chloronaphthalene\_ U 1500000 88-74-4----2-Nitroaniline 300000 U 131-11-3-----Dimethyl Phthalate 300000 U 208-96-8----Acenaphthylene U 300000 606-20-2----2,6-Dinitrotoluene\_

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WEYAB205

lame: WEYERHAEUSER Contract: MCCOURT

ab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

Matrix: (soil/water) SOIL Lab Sample ID: 72330

dample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10709I

evel: (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

ninulium Walahama 20

PC Cleanup: (Y/N) N pH: Dilution Factor: 20

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q COMPOUND CAS NO. U 1500000 99-09-2----3-Nitroaniline U 300000 83-32-9----Acenaphthene\_ U 51-28-5----2,4-Dinitrophenol\_\_\_\_ 1500000 U. 100-02-7----4-Nitrophenol 1500000 U 300000 132-64-9-----Dibenzofuran IJ 121-14-2----2,4-Dinitrotoluene 300000 U 300000 84-66-2----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether 300000 U 300000 86-73-7----Fluorene U 1500000 100-01-6----4-Nitroaniline 534-52-1----4,6-Dinitro-2-Methylphenol 1500000 U 300000 U 86-30-6----N-Nitrosodiphenylamine (1) U 300000 101-55-3----4-Bromophenyl-phenylether 300000 U 118-74-1-----Hexachlorobenzene 830000 J 87-86-5----Pentachlorophenol\_ U 300000 85-01-8-----Phenanthrene U 300000 120-12-7-----Anthracene U 84-74-2----Di-n-Butylphthalate 300000 U 300000 206-44-0----Fluoranthene 300000 U 129-00-0-----Pyrene 85-68-7-----Butylbenzylphthalate 300000 U 610000 U 91-94-1----3,37-Dichlorobenzidine 300000 U 56-55-3----Benzo(a)Anthracene 300000 U 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)phthalate 300000 U 117-84-0-----Di-n-Octyl Phthalate\_ 300000 IJ 300000 205-99-2----Benzo(b) Fluoranthene U 300000 207-08-9----Benzo(k) Fluoranthene U 300000 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\_\_\_\_ U 300000 191-24-2----Benzo(g,h,i)Perylene\_\_\_ (1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB205

Jame: WEYERHAEUSER λċ

Contract: MCCOURT

ab Code: WEYER

Case No.: 05855 SAS No.:

SDG No.: 72326

fatrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol:

1.3 (g/mL) G

Lab File ID:

2BN10709I

(low/med) MED

Date Received: 05/30/91

Moisture: not dec.

dec.

Date Extracted: 07/03/91

Extraction:

evel:

(SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

FPC Cleanup: (Y/N) N

pH:

Dilution Factor: 20

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

Number TICs found:

EST. CONC. CAS NUMBER COMPOUND NAME 230000 JΧ 2,3,4,6-TETRACHLORO-18.49 1. 58-90-2 PHENOL, 230000 JΧ 36.81 UNKNOWN 2.

#### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ame: WEYERHAEUSER Contract: MCCOURT

die: waithtingobak concluct. Mccooki

ab 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

jevel: (low/med) MED Date Received: 05/30/91

Moisture: not dec. dec. Date Extracted: 07/03/91

3xtraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS:

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

50000 IJ 108-95-2----Phenol 111-44-4----bis(2-Chloroethyl)Ether 50000 U 50000 U 95-57-8----2-Chlorophenol 50000 U 541-73-1----1,3-Dichlorobenzene U 50000 106-46-7----1,4-Dichlorobenzene U 100-51-6----Benzyl Alcohol 50000 U 50000 95-50-1----1,2-Dichlorobenzene U 50000 95-48-7----2-Methylphenol U 50000 108-60-1----bis(2-Chloroisopropyl)Ether\_ 50000 U 106-44-5----4-Methylphenol 621-64-7----N-Nitroso-Di-n-Propylamine 50000 U 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 240000 U 65-85-0----Benzoic Acid U 111-91-1----bis(2-Chloroethoxy)Methane 50000 U 120-83-2----2,4-Dichlorophenol 50000 120-82-1----1,2,4-Trichlorobenzene U 50000 U 50000 91-20-3----Naphthalene U 50000 106-47-8----4-Chloroaniline 50000 U 87-68-3----Hexachlorobutadiene U 59-50-7----4-Chloro-3-Methylphenol 50000 91-57-6----2-Methylnaphthalene U 50000 U 77-47-4----Hexachlorocyclopentadiene\_ 50000 U 88-06-2----2,4,6-Trichlorophenol 50000 Ü 95-95-4----2,4,5-Trichlorophenol 240000 50000 Ü 91-58-7----2-Chloronaphthalene U 88-74-4----2-Nitroaniline 240000 131-11-3-----Dimethyl Phthalate 50000 Ü U 208-96-8-----Acenaphthylene 50000 50000 606-20-2----2,6-Dinitrotoluene IJ

Q

#### 1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ame: WEYERHAEUSER Contract: MCCOURT

WEYAB206

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

FPC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS:

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

U 240000 99-09-2----3-Nitroaniline U 50000 83-32-9-----Acenaphthene 240000 U 51-28-5----2,4-Dinitrophenol\_\_\_ U 240000 100-02-7----4-Nitrophenol U 50000 132-64-9-----Dibenzofuran U 50000 121-14-2----2,4-Dinitrotoluene\_ U 50000 84-66-2----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether 50000 U 50000 86-73-7----Fluorene U 240000 100-01-6----4-Nitroaniline U 534-52-1----4,6-Dinitro-2-Methylphenol 240000 U 86-30-6----N-Nitrosodiphenylamine (1) 50000 U 50000 101-55-3----4-Bromophenyl-phenylether\_ U 50000 118-74-1----Hexachlorobenzene\_ 170000 J 87-86-5----Pentachlorophenol\_ 50000 U 85-01-8-----Phenanthrene 50000 U 120-12-7-----Anthracene 50000 U 84-74-2-----Di-n-Butylphthalate\_\_\_ 50000 U 206-44-0----Fluoranthene U 50000 129-00-0----Pyrene U 50000 85-68-7-----Butylbenzylphthalate U 99000 91-94-1----3,3'-Dichlorobenzidine U 50000 56-55-3----Benzo(a)Anthracene\_ U 50000 218-01-9-----Chrysene U 50000 117-81-7-----bis(2-Ethylhexyl)phthalate U 50000 117-84-0----Di-n-Octyl Phthalate U 50000 205-99-2----Benzo(b) Fluoranthene\_ U 50000 207-08-9----Benzo(k) Fluoranthene U 50000 50-32-8----Benzo(a) Pyrene U 50000 193-39-5----Indeno(1,2,3-cd)Pyrene\_ U 53-70-3----Dibenz(a,h)Anthracene\_ 50000 U 50000 191-24-2----Benzo(g,h,i)Perylene\_\_ - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB206

lame: 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.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

GPC Cleanup: (Y/N) N

pH:

dec.

Dilution Factor: 4.0

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

RT

Number TICs found:

CAS NUMBER

COMPOUND NAME

EST. CONC.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Jame: WEYERHAEUSER Contract: MCCOURT WEYAB207

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

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 07/09/91

GPC Cleanup: (Y/N) N pH: Dilution Factor: 50

CONCENTRATION UNITS:

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

	CAS NO. COMPOUND (49/12 of 49/	2197 007 -10	~
١		760000	U
1	108-95-2Phenol	760000	lΰ
ı	111-44-4bis(2-Chloroethyl)Ether	760000	Ŭ
ł	95-57-82-Chlorophenol 541-73-11,3-Dichlorobenzene	760000	ا قا
ı	541-73-11,3-Dichlorobenzene	760000	ا تا
ļ	106-46-71,4-Dichlorobenzene	760000	ט
١	100-51-6Benzyl Alcohol	760000	ן ט
١	95-50-11,2-Dichlorobenzene		U U
ı	95-48-72-Methylphenol	760000	ü
١	108-60-1bis(2-Chloroisopropyl)Ether	760000	
1	106-44-54-Methylphenol	760000	U
1	621-64-7N-Nitroso-Di-n-Propylamine	760000	U
ŀ	67-72-1Hexachloroethane	760000	Ū
ı	98-95-3Nitrobenzene	760000	ŭ
ı	78-59-1Isophorone	760000	ן ט
۱	88-75-52-Nitrophenol	760000	ט
١	105-67-92,4-Dimethylphenol	760000	ע
ł	65-85-0Benzoic Acid	3700000	U
ı	111-91-1bis(2-Chloroethoxy)Methane	760000	บ
ı	120-83-22,4-Dichlorophenol	760000	ן שן
1	120-82-11,2,4-Trichlorobenzene	760000	ן ט
1	91-20-3Naphthalene	760000	U
١	106-47-84-Chloroaniline	760000	U
١	87-68-3Hexachlorobutadiene	760000	U
1	59-50-74-Chloro-3-Methylphenol	760000	ן די ן
ı	91-57-62-Methylnaphthalene	760000	U
١	77-47-4Hexachlorocyclopentadiene	760000	[U ]
1	88-06-22,4,6-Trichlorophenol	760000	ט
ı	95-95-42,4,5-Trichlorophenol	190000	J
-	91-58-72-Chloronaphthalene	760000	ן ט
1	88-74-42-Nitroaniline	3700000	ן שן
	131-11-3Dimethyl Phthalate	760000	ן טן
		760000	ן טן
	208-96-8Acenaphthylene 606-20-22,6-Dinitrotoluene	760000	ן ט
	000-20-2		
	·		- I <del></del> I

#### 1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WEYAB207 Contract: MCCOURT

Jame: WEYERHAEUSER

SDG No.: 72326 SAS No.: Case No.: 05855 Lab Code: WEYER

Lab Sample ID: fatrix: (soil/water) SOIL

3ample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10709K

Date Received: 05/30/91 (low/med) MED Level:

dec. Date Extracted: 07/03/91 Moisture: not dec.

07/09/91 Extraction: (SepF/Cont/Sonc) CONT Date Analyzed:

Dilution Factor: 50 3PC Cleanup: (Y/N) N pH:

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

U 3700000 99-09-2----3-Nitroaniline U 83-32-9----Acenaphthene 760000 U 3700000 51-28-5----2,4-Dinitrophenol U 100-02-7----4-Nitrophenol\_\_\_\_ 3700000 U 132-64-9-----Dibenzofuran 760000 121-14-2----2,4-Dinitrotoluene 760000 U U 84-66-2-----Diethylphthalate 760000 7005-72-3----4-Chlorophenyl-phenylether 760000 U 760000 U 86-73-7-----Fluorene U 100-01-6----4-Nitroaniline 3700000 U 3700000 534-52-1----4,6-Dinitro-2-Methylphenol\_ 86-30-6----N-Nitrosodiphenylamine (1) 760000 U U 760000 101-55-3----4-Bromophenyl-phenylether\_\_\_ 118-74-1-----Hexachlorobenzene 760000 U 87-86-5----Pentachlorophenol 2300000 J U 85-01-8-----Phenanthrene 760000 U 760000 120-12-7-----Anthracene U 760000 84-74-2----Di-n-Butylphthalate\_\_\_ U 206-44-0----Fluoranthene 760000 U 129-00-0----Pyrene\_ 760000 85-68-7-----Butylbenzylphthalate 760000 U 91-94-1----3,3'-Dichlorobenzidine 1500000 U 760000 U 56-55-3-----Benzo(a)Anthracene 218-01-9-----Chrysene 760000 U 760000 U 117-81-7-----bis(2-Ethylhexyl)phthalate U 117-84-0-----Di-n-Octyl Phthalate 760000 IJ 205-99-2----Benzo(b) Fluoranthene 760000 U 207-08-9----Benzo(k) Fluoranthene\_ 760000 760000 U 50-32-8-----Benzo(a) Pyrene 193-39-5----Indeno(1,2,3-cd)Pyrene 760000 U U 760000 53-70-3----Dibenz(a,h)Anthracene\_\_\_\_ 760000 U 191-24-2----Benzo(q,h,i)Perylene

(1) - Cannot be separated from Diphenylamine

### 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

(low/med) MED

Date Received: 05/30/91

evel: Moisture: not dec.

Number TICs found:

dec.

Date Extracted: 07/03/91

Extraction:

(SepF/Cont/Sonc) CONT

Date Analyzed: 07/09/91

Dilution Factor: 50

GPC Cleanup: (Y/N) N

pH:

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ======
	PHENOL, 2,3,4,6-TETRACHLORO- UNKNOWN UNKNOWN	18.49 25.42 33.64	420000 410000 200000	JX JX

Jame: WEYERHAEUSER Contract: MCCOURT WEYAB208

ab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

(atrix: (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

CONCENTRATION UNITS:

PC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

0 (uq/L or ug/Kg) UG/KG CAS NO. COMPOUND 13000 U 108-95-2----Phenol 13000 U 111-44-4----bis(2-Chloroethyl)Ether U 13000 95-57-8----2-Chlorophenol U 13000 541-73-1----1,3-Dichlorobenzene\_ 13000 U 106-46-7----1,4-Dichlorobenzene\_ U 13000 100-51-6----Benzyl Alcohol 13000 U 95-50-1----1,2-Dichlorobenzene 13000 U 95-48-7----2-Methylphenol 108-60-1-----bis(2-Chloroisopropyl)Ether 13000 U 13000 U 106-44-5----4-Methylphenol 13000 U 621-64-7----N-Nitroso-Di-n-Propylamine U 13000 67-72-1-----Hexachloroethane U 13000 98-95-3----Nitrobenzene U 13000 78-59-1-----Isophorone U 13000 88-75-5----2-Nitrophenol 13000 U 105-67-9----2,4-Dimethylphenol\_ U 64000 65-85-0----Benzoic Acid U 111-91-1----bis(2-Chloroethoxy)Methane 13000 U 13000 120-83-2----2,4-Dichlorophenol U 120-82-1----1,2,4-Trichlorobenzene\_ 13000 U 13000 91-20-3----Naphthalene U 106-47-8----4-Chloroaniline 13000 U 87-68-3-----Hexachlorobutadiene 13000 13000 U 59-50-7----4-Chloro-3-Methylphenol\_ U 13000 91-57-6----2-Methylnaphthalene U 13000 77-47-4----Hexachlorocyclopentadiene\_ U 88-06-2----2,4,6-Trichlorophenol 13000 U 64000 95-95-4----2,4,5-Trichlorophenol\_ U 13000 91-58-7----2-Chloronaphthalene\_ U 88-74-4----2-Nitroaniline 64000 13000 U 131-11-3-----Dimethyl Phthalate 13000 U 208-96-8-----Acenaphthylene 13000 U 606-20-2----2,6-Dinitrotoluene\_

L: Name: WEYERHAEUSER Contract: MCCOURT

Case No.: 05855

2BN10710A

WEYAB208

COTT

Lab Sample ID:

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

(low/med)

•

sample wt/vol:

Lab Code: WEYER

1.5 (g/mL) G

Date Received: 05/30/91

Lab File ID:

Moisture: not dec.

dec. Date Extracted: 07/03/91

Extraction:

Level:

(SepF/Cont/Sonc)

MED

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 Q CAS NO. COMPOUND 64000 99-09-2----3-Nitroaniline 13000 U 83-32-9-----Acenaphthene 64000 U 51-28-5----2,4-Dinitrophenol\_ 64000 U 100-02-7----4-Nitrophenol Ŭ 13000 132-64-9-----Dibenzofuran U 13000 121-14-2----2,4-Dinitrotoluene 13000 U 84-66-2----Diethylphthalate Ű 7005-72-3----4-Chlorophenyl-phenylether 13000 Ü 13000 86-73-7----Fluorene U 64000 100-01-6----4-Nitroaniline U 64000 534-52-1----4,6-Dinitro-2-Methylphenol U 13000 86-30-6----N-Nitrosodiphenylamine (1)U 13000 101-55-3-----4-Bromophenyl-phenylether\_ U 13000 118-74-1-----Hexachlorobenzene J 5000 87-86-5-----Pentachlorophenol\_ U 13000 85-01-8-----Phenanthrene U 13000 120-12-7-----Anthracene U 84-74-2----Di-n-Butylphthalate 13000 U 13000 206-44-0----Fluoranthene U 13000 129-00-0----Pyrene U 13000 85-68-7-----Butylbenzylphthalate 26000 U 91-94-1----3,3'-Dichlorobenzidine\_ U 13000 56-55-3----Benzo(a)Anthracene\_ 13000 U 218-01-9-----Chrysene 117-81-7-----bis(2-Ethylhexyl)phthalate 2900 J U 13000 117-84-0-----Di-n-Octyl Phthalate U 13000 205-99-2----Benzo(b) Fluoranthene U 13000 207-08-9----Benzo(k) Fluoranthene\_ U 13000 50-32-8-----Benzo(a) Pyrene U 13000 193-39-5----Indeno(1,2,3-cd) Pyrene\_ 13000 U 53-70-3-----Dibenz(a,h)Anthracene\_ U 13000 191-24-2----Benzo(g,h,i)Perylene\_ - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

#### 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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.

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

3PC Cleanup: (Y/N) N

pH:

dec.

Dilution Factor: 1.0

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

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	R <b>T</b>	EST. CONC.	Q
1.	UNKNOWN	25.66	14000	JX
	UNKNOWN	31.84	9000	JХ
2. 3.	UNKNOWN	32.17	4500	JX
4.	UNKNOWN	32.71	6500	JХ
	UNKNOWN	32.74	9700	JХ
٠.	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	JХ
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	JΧ
18.	UNKNOWN	35.66	13000	JX
19.	UNKNOWN	35.76	12000	JX
20.	UNKNOWN	36.54	11000	JX
				li

WEYAB209

Jame: WEYERHAEUSER Contract: MCCOURT

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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

PC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS:

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

U 14000 108-95-2----Phenol 14000 U 111-44-4-----bis(2-Chloroethyl)Ether U 14000 95-57-8----2-Chlorophenol U 14000 541-73-1----1,3-Dichlorobenzene U 14000 106-46-7----1,4-Dichlorobenzene\_ U 14000 100-51-6----Benzyl Alcohol U 14000 95-50-1-----1,2-Dichlorobenzene U 14000 95-48-7----2-Methylphenol U 14000 108-60-1----bis(2-Chloroisopropyl) Ether\_ U 14000 106-44-5----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 14000 U 14000 67-72-1-----Hexachloroethane U 14000 98-95-3----Nitrobenzene U 14000 78-59-1----Isophorone 14000 U 88-75-5----2-Nitrophenol 14000 U 105-67-9----2,4-Dimethylphenol\_ 69000 U 65-85-0-----Benzoic Acid U 14000 111-91-1-----bis(2-Chloroethoxy)Methane\_ U 120-83-2----2,4-Dichlorophenol 14000 120-82-1-----1,2,4-Trichlorobenzene U 14000 U 14000 91-20-3----Naphthalene U 14000 106-47-8-----4-Chloroaniline U 14000 87-68-3-----Hexachlorobutadiene U 14000 59-50-7----4-Chloro-3-Methylphenol U 14000 91-57-6----2-Methylnaphthalene U 14000 77-47-4----Hexachlorocyclopentadiene U 14000 88-06-2----2,4,6-Trichlorophenol U 69000 95-95-4----2,4,5-Trichlorophenol\_ U 91-58-7----2-Chloronaphthalene 14000 U 69000 88-74-4----2-Nitroaniline U 131-11-3-----Dimethyl Phthalate 14000 14000 U 208-96-8-----Acenaphthylene U 14000 606-20-2----2,6-Dinitrotoluene\_

lame: WEYERHAEUSER Contract: MCCOURT

WEYAB209

ab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

[atrix: (soil/water) SOIL Lab Sample ID: 72334

Sample wt/vol: 1.4 (g/mL) G Lab File ID: BN0709B

evel: (low/med) MED Date Received: 05/30/91

Moisture: not dec. dec. Date Extracted: 07/03/91

fxtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:

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

69000 U 99-09-2----3-Nitroaniline\_ U 14000 83-32-9-----Acenaphthene 69000 U 51-28-5----2,4-Dinitrophenol\_ U 100-02-7----4-Nitrophenol 69000 132-64-9-----Dibenzofuran 14000 U 14000 U 121-14-2----2,4-Dinitrotoluene\_ U 14000 84-66-2----Diethylphthalate U 14000 7005-72-3----4-Chlorophenyl-phenylether 14000 U 86-73-7----Fluorene U 69000 100-01-6----4-Nitroaniline 69000 U 534-52-1----4,6-Dinitro-2-Methylphenol 14000 U 86-30-6----N-Nitrosodiphenylamine (1) U 101-55-3----4-Bromophenyl-phenylether\_ 14000 U 14000 118-74-1-----Hexachlorobenzene\_ U 69000 87-86-5----Pentachlorophenol U 14000 85-01-8-----Phenanthrene U 14000 120-12-7-----Anthracene U 84-74-2-----Di-n-Butylphthalate 14000 U 14000 206-44-0----Fluoranthene\_ U 14000 129-00-0-----Pyrene U 85-68-7-----Butylbenzylphthalate 14000 28000 U 91-94-1----3,3'-Dichlorobenzidine\_ 14000 U 56-55-3----Benzo(a) Anthracene\_ 14000 U 218-01-9-----Chrysene 14000 U 117-81-7-----bis(2-Ethylhexyl)phthalate\_ U 14000 117-84-0-----Di-n-Octyl Phthalate U 14000 205-99-2----Benzo(b) Fluoranthene U 14000 207-08-9----Benzo(k) Fluoranthene\_ U 14000 50-32-8-----Benzo(a) Pyrene 14000 U 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_\_\_ U 14000 53-70-3----Dibenz(a,h)Anthracene U 14000 191-24-2----Benzo(g,h,i)Perylene\_\_\_

(1) - Cannot be separated from Diphenylamine

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB209

Jame: WEYERHAEUSER يزر

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 (q/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

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

Number TICs found:

EST. CONC. RT COMPOUND NAME CAS NUMBER

WEYAB210

Contract: MCCOURT lame: WEYERHAEUSER

Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

72335 Lab Sample ID: Matrix: (soil/water) SOIL

Lab File ID: 2BN10709M  $1.8 \quad (g/mL) \quad G$ 3ample wt/vol:

Date Received: 05/30/91 Level: (low/med) MED

Date Extracted: 07/03/91 dec. Moisture: not dec.

Date Analyzed: 07/09/91 Extraction: (SepF/Cont/Sonc) CONT

Dilution Factor: 1.0 pH: GPC Cleanup: (Y/N) N

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

CAS NO.	COMPOUND			
	71	11000	ט	
108-95-2	Phenoi	11000	ีบ	
111-44-4	bis(2-Chloroethyl)Ether	11000	ט	
95-57-8	2-Chlorophenol	11000	ן ט	
541-73-1	1,3-Dichlorobenzene	11000	ט	
106-46-7	1,4-Dichioropenzene	11000	ן ע	
100-51-6	Benzyl Alcohol	11000	ן ט	
95-50-1	1,2-Dichlorobenzene	11000	l <del>ū</del> l	
95-48-7	2-Methylphenol	11000	lŪ	
108-60-1	bis(2-Chloroisopropyl)Ether	11000	ן ען	
106-44-5	4-Methylphenol	11000	ן ט	
621-64-7		11000	ן עו	
67-72-1	Hexaciitoroeciiane	11000	ן ט	
98-95-3	Nitrobenzene	11000	ן ט	
78-59-1	Isophorone	11000	บี	
88-75-5	2-Nitrophenol	11000	<del>0</del>	
105-67-9	2,4-Dimethylphenol	53000	ا تا	
CE 0E 0	Rengoic Acid	11000	ט l	
111-91-1	bis(2-Chloroethoxy)Methane	11000	ן ט	
120-83-2	2,4-Dichiorophenoi		បី	l
120-82-1	1,2,4-Trichlorobenzene	11000	ט ט	l
91-20-3	Naphthalene	11000		ĺ
106-47-8	4-Chloroaniline	11000	ָט <u> </u>	ı
87-68-3	Hexachlorobutadiene	11000	U	l
59-50-7	4-Chloro-3-Methylphenol	11000	U	
01-57-6	2-Methylnaphthalene	11000	U	ĺ
77-47-4	Hexachlorocyclopentadiene	11000	U	ł
88-06-2	2.4.6-Trichlorophenol	11000	U	ı
05-00 2	2,4,5-Trichlorophenol	53000	U	
01-50-7	2-Chloronaphthalene	11000	U.	İ
91-30-7	2-Nitroaniline	53000	U	1
121-11-2	Dimethyl Phthalate	11000	ע .	l
T3T-TT-3	Acenaphthylene	11000	ប	
208-90-0	2,6-Dinitrotoluene	11000	Ū	
606-20-2	2,0 Diniezooo	<u> </u>	_	1
1			-	

Jame: WEYERHAEUSER Contract: MCCOURT

WEYAB210

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

PC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:

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

	CAS NO. COMICOND (49/ 2 01	·	
	99-09-23-Nitroaniline	53000	ט
l	83-32-9Acenaphthene		Ū
١	51-28-52,4-Dinitrophenol		υ Ι
١	100-02-74-Nitrophenol		บ
l	132-64-9Dibenzofuran		Ū
l	121-14-22,4-Dinitrotoluene		ט ו
l	84-66-2Diethylphthalate		บ
۱	7005-72-34-Chlorophenyl-phenylether_		ับ ไ
I	86-73-7Fluorene	11000	ט
۱	100-01-64-Nitroaniline		บ
١	534-52-14,6-Dinitro-2-Methylphenol	<sup></sup>   53000	ប
۱	86-30-6N-Nitrosodiphenylamine (1)	_  11000	ן ע
ı	101-55-34-Bromophenyl-phenylether	11000	ט
١	118-74-1Hexachlorobenzene	11000	ប
l	87-86-5Pentachlorophenol	_  5800	J
l	85-01-8Phenanthrene	11000	U
l	120-12-7Anthracene	—  11000	ט
I	84-74-2Di-n-Butylphthalate	11000	ט
ı	206-44-0Fluoranthene	11000	U
l	129-00-0Pyrene	11000	U
ŀ	85-68-7Butylbenzylphthalate	11000	U
ı	91-94-13,3'-Dichlorobenzidine	22000	U
I	56-55-3Benzo(a) Anthracene	11000	U
ł	218-01-9Chrysene	11000	U
l	117-81-7bis(2-Ethylhexyl)phthalate_	11000	U
l	117-84-0Di-n-Octyl Phthalate	<u> </u>	U
l	205-99-2Benzo(b) Fluoranthene	<u> </u>	U
l	207-08-9Benzo(k) Fluoranthene	11000	U
I	50-32-8Benzo(a) Pyrene	11000	U
ļ	193-39-5Indeno(1,2,3-cd)Pyrene	11000	U
1	53-70-3Dibenz(a,h)Anthracene	11000	U
	191-24-2Benzo(q,h,i) Perylene	11000	U
- 1	· · · · · · · · · · · · · · · · · · ·		

1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB210

lame: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855 SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72335

}ample wt/vol:

(g/mL) G 1.8

Lab File ID:

2BN10709M

Date Received: 05/30/91

Moisture: not dec.

Level: (low/med) MED

Date Extracted: 07/03/91

Extraction:

(SepF/Cont/Sonc)

CONT

Date Analyzed: 07/09/91

PC Cleanup: (Y/N) N

CAS NUMBER

pH:

COMPOUND NAME

dec.

Dilution Factor: 1.0

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

Number TICs found:

RTEST. CONC.

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WEYAB211

Jame: WEYERHAEUSER Contract: MCCOURT

ab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

fatrix: (soil/water) SOIL
Lab Sample ID: 72336

Sample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10709N

evel: (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

PC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG 0 COMPOUND CAS NO. 53000 108-95-2----Phenol U 111-44-4-----bis(2-Chloroethyl)Ether 53000 U 53000 95-57-8----2-Chlorophenol 541-73-1-----1,3-Dichlorobenzene 53000 U 106-46-7-----1,4-Dichlorobenzene 53000 U U 53000 100-51-6-----Benzyl Alcohol U 53000 95-50-1----1,2-Dichlorobenzene\_ U 53000 95-48-7----2-Methylphenol 108-60-1-----bis(2-Chloroisopropyl)Ether\_ TT 53000 Ú 53000 106-44-5----4-Methylphenol 53000 U 621-64-7----N-Nitroso-Di-n-Propylamine U 53000 67-72-1-----Hexachloroethane U 53000 98-95-3-----Nitrobenzene\_ 53000 U 78-59-1-----Isophorone U 53000 88-75-5----2-Nitrophenol\_ 105-67-9----2,4-Dimethylphenol\_\_\_\_ U 53000 U 260000 65-85-0-----Benzoic Acid U 111-91-1-----bis(2-Chloroethoxy)Methane 53000 U 53000 120-83-2----2,4-Dichlorophenol U 120-82-1----1,2,4-Trichlorobenzene\_ 53000 U 53000 91-20-3----Naphthalene U 53000 106-47-8----4-Chloroaniline 53000 U 87-68-3-----Hexachlorobutadiene U 53000 59-50-7----4-Chloro-3-Methylphenol\_ U 53000 91-57-6----2-Methylnaphthalene 53000 U 77-47-4-----Hexachlorocyclopentadiene U 53000 88-06-2----2,4,6-Trichlorophenol 95-95-4----2,4,5-Trichlorophenol\_\_\_\_ 260000 U U 53000 91-58-7----2-Chloronaphthalene\_\_\_ U 260000 88-74-4----2-Nitroaniline U 53000 131-11-3-----Dimethyl Phthalate U 53000 208-96-8-----Acenaphthylene\_ U 53000 606-20-2----2,6-Dinitrotoluene

Case No.: 05855

Contract: MCCOURT lame: WEYERHAEUSER

WEYAB211

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SDG No.: 72326

ab Code: WEYER Lab Sample ID: 72336

(atrix: (soil/water) SOIL

Lab File ID: ample wt/vol: 1.5 (q/mL) G

SAS No.:

CONCENTRATION UNITS:

05/30/91 Date Received: (low/med) MED evel:

Date Extracted: 07/03/91 : Moisture: not dec. dec.

07/10/91 Date Analyzed: CONT (SepF/Cont/Sonc) extraction:

Dilution Factor: 4.0 :Hq PC Cleanup: (Y/N) N

(ug/L or ug/Kg) UG/KG COMPOUND CAS NO. 260000 99-09-2----3-Nitroaniline\_ IJ 53000 83-32-9-----Acenaphthene 260000 U 51-28-5----2,4-Dinitrophenol 260000 U 100-02-7----4-Nitrophenol\_ 53000 U 132-64-9-----Dibenzofuran U 53000 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 260000 U 100-01-6----4-Nitroaniline IJ 534-52-1----4,6-Dinitro-2-Methylphenol 260000 U 53000 86-30-6----N-Nitrosodiphenylamine (1) 53000 U 101-55-3----4-Bromophenyl-phenylether U 53000 118-74-1----Hexachlorobenzene 280000 87-86-5----Pentachlorophenol\_ U 53000 85-01-8-----Phenanthrene U 53000 120-12-7----Anthracene U 53000 84-74-2----Di-n-Butylphthalate U 53000 206-44-0----Fluoranthene 53000 U 129-00-0-----Pyrene 53000 U 85-68-7-----Butylbenzylphthalate

- Cannot be separated from Diphenylamine

91-94-1----3,37-Dichlorobenzidine

117-81-7-----bis(2-Ethylhexyl)phthalate

56-55-3----Benzo(a)Anthracene\_

117-84-0----Di-n-Octyl Phthalate

205-99-2----Benzo(b) Fluoranthene

207-08-9----Benzo(k)Fluoranthene\_

193-39-5----Indeno(1,2,3-cd)Pyrene\_

53-70-3----Dibenz(a,h)Anthracene\_\_\_

191-24-2----Benzo(g,h,i)Perylene\_

50-32-8-----Benzo (a) Pyrene

218-01-9-----Chrysene

EPA SAMPLE NO.

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WEYAB211

Name: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855 SAS No.:

SDG No.: 72326

(atrix: (soil/water) SOIL

Lab Sample ID:

72336

Sample wt/vol:

1.5 (g/mL) G

Lab File ID:

2BN10709N

(low/med)

Date Received: 05/30/91

Moisture: not dec.

dec.

Date Extracted: 07/03/91

Extraction:

evel:

(SepF/Cont/Sonc) CONT

MED

Date Analyzed: 07/10/91

FPC Cleanup: (Y/N) N

pH:

Dilution Factor: 4.0

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

Number TICs found:

CAS NUMBER	COMPOUND NAME	RT ======	EST. CONC.	Q =====	
			l		i

WEYAB212

Jame: 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:

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

	CAD NO.	00112	( ),		•		
1		_	·		99000	   ប	
١	108-95-2	-Phenol	V 774-1- 0-00		99000	ט ט	
	111-44-4	-bis(2-Chloroethyl	)Etner		99000	บ	1
	95-57-8	-2-Chlorophenol				Ü	
	541-73-1	-1,3-Dichlorobenze	ne		99000	-	1
l	106-46-7	-1,4-Dichlorobenze	ne		99000	<u>u</u>	1
l	100-51-6	-Benzvl Alcohol			99000	U	1
l	95-50-1	-1,2-Dichlorobenze	ne		99000	Ü	
l	95-48-7	-2-Methylphenol			99000	Ü	ı
	108-60-1	-bis(2-Chloroisopr	opyl)Ether		99000	U	
١	106-44-5	-4-Methylphenol		•	99000	U	1
1	621-64-7	-N-Nitroso-Di-n-Pr	opylamine		99000	<u>U</u>	ı
l	67-72-1	-Hexachloroethane_			99000	U	
	98-95-3	-Nitrobenzene			99000	\ <b>U</b>	1
l	78-59-1				99000	ַט	1
l	88-75-5				99000	ט	
l	105-67-9	-2,4-Dimethylpheno	1		99000	U	
l	65-85-0	-Benzoic Acid		4	80000	U	1
l	111-91-1	-bis(2-Chloroethox	y) Methane		99000	U	
	120-83-2	-2,4-Dichloropheno	i'		99000	U	1
l	120-82-1	-1,2,4-Trichlorobe	nzene		99000	U	
١	91-20-3	-Naphthalene	<del></del>		99000	υ	1
1	106-47-8	-4-Chloroaniline_			99000	U	
	100-47-0	-Hexachlorobutadie	ne		99000	บ	
١	57-08-3	-4-Chloro-3-Methyl	nhenol		99000	υ	i
ĺ	01 57 6	-2-Methylnaphthale	ne		99000	ט	1
1	91-57-6	-Hexachlorocyclope	entadiene		99000	Ū	1
1	7/-4/-4	-2,4,6-Trichloroph	enol		99000	U	ı
l				Δ	180000	Ū	
l	95-95-4	-2,4,5-Trichloroph -2-Chloronaphthale	relior		99000	lΰ	1
ļ			:11e		180000	Ū	1
	88-74-4			-	99000	บ	
1		-Dimethyl Phthalat		<b>3</b> 1	99000	บั	j
	208-96-8	-Acenaphthylene			99000	บ	1
1	606-20-2	-2,6-Dinitrotoluer	1e		55000	١	-
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Iame: WEYERHAEUSER Contract: MCCOURT

WEYAB212

ab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

latrix: (soil/water) SOIL
Lab Sample ID: 72337

Sample wt/vol: 1.0 (g/mL) G Lab File ID: BN0709D

evel: (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

PC Cleanup: (Y/N) N pH: Dilution Factor: 5.0

CONCENTRATION UNITS:

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

99-09-23-Nitroaniline	480000 U	
83-32-9Acenaphthene	99000 U	
51-28-52,4-Dinitrophenol	480000 U	
100-02-74-Nitrophenol	480000 U	
132-64-9Dibenzofuran	99000 U	
121-14-22,4-Dinitrotoluene_	99000 U	
34-66-2Diethylphthalate	99000 U	
7005-72-34-Chlorophenyl-phen	ylether 99000 U	
36-73-7Fluorene	99000   0	
L00-01-64-Nitroaniline	480000 U	
34-52-14,6-Dinitro-2-Methy	1phenol 480000 U	
86-30-6N-Nitrosodiphenylam	ine (1)  99000  U	
101-55-34-Bromophenyl-pheny	lether 99000 U	
118-74-1Hexachlorobenzene	99000  U	
87-86-5Pentachlorophenol_	320000 J	
85-01-8Phenanthrene	99000 U	
120-12-7Anthracene	99000 U	
84-74-2Di-n-Butylphthalate	99000 U	
206-44-0Fluoranthene	99000   0	
129-00-0Pyrene	99000 U	
85-68-7Butylbenzylphthalat	e 99000 U	
91-94-13,3'-Dichlorobenzid	ine   200000   U	
56-55-3Benzo(a)Anthracene_	99000   U	
218-01-9Chrysene	99000 U	
117-81-7bis(2-Ethylhexyl)ph	thalate 99000 U	
117-84-0Di-n-Octyl Phthalat	.e  99000  U	
205-99-2Benzo(b) Fluoranthen	e 99000 U	
207-08-9Benzo(k) Fluoranthen	e 99000 U	
50-32-8Benzo (a) Pyrene	99000 U	
193-39-5Indeno(1,2,3-cd) Pyr	ene 99000 U	
53-70-3Dibenz(a,h)Anthrace	ne 99000 U	
191-24-2Benzo(g,h,i)Perylen	e 99000 U	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB212

lame: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72337

EST. CONC.

Sample wt/vol:

1.0 (g/mL) G

Lab File ID:

BN0709D

Date Received:

05/30/91

Level: (low/med) MED

Date Extracted: 07/03/91

Extraction: (SepF/Cont/Sonc)

SONC

Date Analyzed:

07/10/91

GPC Cleanup: (Y/N) N

pH:

dec.

Dilution Factor: 5.0

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

RT

Number TICs found:

CAS NUMBER

% Moisture: not dec.

COMPOUND NAME

Contract: MCCOURT Jame: WEYERHAEUSER

WEYAB213

ab Code: WEYER Case No.: 05855 SAS No.:

SDG No.: 72326

latrix: (soil/water) SOIL

Lab Sample ID: 72338

ample wt/vol: 1.1 (g/mL) G

Lab File ID:

BN0709E

evel: (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

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 10.0

CONCENTRATION UNITS:

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

	1	-1	1
108-95-2Phenol		180000	ט
111-44-4bis(2-Chlore	nethyl)Ether	180000	ט
95-57-82-Chlorophe	nol	180000	ט
541-73-11,3-Dichlore	obenzene	180000	ט ו
106-46-71,4-Dichlor	obenzene	180000	ช
106-46-7-22-2-1,4-Dichlored 100-51-6Benzyl Alco	hol	180000	ט
95-50-11,2-Dichlor	obenzene	180000	υ
95-48-72-Methylphe	nol	180000	บ
108-60-1bis(2-Chlor	oisopropyl)Ether	180000	ט
108-60-1	nol	180000	υΙ
106-44-54-Methylphe 621-64-7N-Nitroso-D	i-n-Propylamine	180000	U
67-72-1Hexachloroe	thane	180000	ט
98-95-3Nitrobenzen		180000	ט ו
	e	180000	ט
78-59-1Isophorone_	<u></u>	180000	ט
88-75-52-Nitrophen	lnhenol	180000	ט ו
105-67-92,4-Dimethy	Threnot	870000	Ū
65-85-0Benzoic Aci	octhovy Mothane	180000	ប
111-91-1bis(2-Chlor	ophonoi	180000	ับ
120-83-22,4-Dichlor	opnenoi	180000	υ
120-82-11,2,4-Trich	Torobelizelle	180000	บั
91-20-3Naphthalene		180000	Ŭ
106-47-84-Chloroani	line	180000	Ü
87-68-3Hexachlorob	utadiene	180000	Ü
59-50-74-Chloro-3-	Metnylphenol	180000	Ü
91-57-62-Methylnap	ntnalene	180000	บ
77-47-4Hexachloroc	ycropentagrene	180000	บั
88-06-22,4,6-Trich	Torophenol	870000	Ü
95-95-42,4,5-Trich	loropnenol	180000	ט
91-58-72-Chloronap	nthalene	870000	ט
88-74-42-Nitroanil	ine	180000	Ü
131-11-3Dimethyl Ph	tnalate	180000	ט
208-96-8Acenaphthyl	ene		ΰ
606-20-22,6-Dinitro	toluene	180000	ا
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WEYAB213

ame: WEYERHAEUSER Contract: MCCOURT

ab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

latrix: (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

PC Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CONCENTRATION UNITS:

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

U 870000 99-09-2----3-Nitroaniline U 180000 83-32-9-----Acenaphthene\_ U 870000 51-28-5----2,4-Dinitrophenol\_\_\_\_ U 870000 100-02-7----4-Nitrophenol\_ U 132-64-9-----Dibenzofuran 180000 U 121-14-2----2,4-Dinitrotoluene\_ 180000 U 180000 84-66-2----Diethylphthalate 7005-72-3----4-Chlorophenyl-phenylether U 180000 U 180000 86-73-7-----Fluorene U 100-01-6----4-Nitroaniline 870000 U 534-52-1----4,6-Dinitro-2-Methylphenol\_ 870000 180000 U 86-30-6----N-Nitrosodiphenylamine (1)\_ U 180000 101-55-3----4-Bromophenyl-phenylether\_ U 118-74-1-----Hexachlorobenzene 180000 87-86-5----Pentachlorophenol\_\_\_\_ J 310000 U 180000 85-01-8-----Phenanthrene\_ U 180000 120-12-7-----Anthracene U 180000 84-74-2-----Di-n-Butylphthalate U 180000 206-44-0----Fluoranthene\_ 180000 U 129-00-0----Pyrene U 85-68-7-----Butylbenzylphthalate 180000 U 91-94-1-----3,3'-Dichlorobenzidine\_\_ 360000 U 180000 56-55-3----Benzo(a) Anthracene\_\_\_ U 180000 218-01-9-----Chrysene 117-81-7-----bis(2-Ethylhexyl)phthalate 180000 U 180000 U 117-84-0-----Di-n-Octyl Phthalate\_ U 180000 205-99-2----Benzo(b) Fluoranthene\_ U 180000 207-08-9----Benzo(k)Fluoranthene\_ U 180000 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\_\_\_\_ U 180000 191-24-2----Benzo(g,h,i)Perylene

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB213

La Jame: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER Case No.: 05855 SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID:

72338

Fample 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

FPC Cleanup:

(Y/N) N

pH:

Dilution Factor: 10.0

CONCENTRATION UNITS:

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

Number TICs found:

CAS NUMBER

COMPOUND NAME

RT

EST. CONC.

WEYAB214

Contract: MCCOURT Name: WEYERHAEUSER

SDG No.: 72326 ab Code: WEYER Case No.: 05855 SAS No.:

Lab Sample ID: 72339 Matrix: (soil/water) SOIL

Lab File ID: BN0709F 1.0 (g/mL) G sample wt/vol:

Date Received: 05/30/91 Level: (low/med) MED

Date Extracted: 07/03/91 Moisture: not dec. dec.

07/10/91 Date Analyzed: %xtraction: (SepF/Cont/Sonc) SONC

Dilution Factor: 10 PC Cleanup: (Y/N) N pH:

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

CAS NO.	1		1
108-95-2	Dhenol	200000	ប
108-95-2	bis(2-Chloroethyl)Ether	200000	U
111-44-4	2-Chlorophenol	200000	U
541721	1 3-Dichlorobenzene	200000	U
106-46-7	1,3-Dichlorobenzene	200000	U
100-40-7	Benzyl Alcohol	200000	U
100-51-0	1,2-Dichlorobenzene	200000	U
05 40 7	2-Methylphenol	200000	U
100-60-1	bis(2-Chloroisopropyl)Ether	200000	U
	4 16APh17   MHANAI	200000	U
621-64-7	N-Nitroso-Di-n-Propylamine	200000	υ
67-72-1	Hexachloroethane	200000	U
	Nitrobenzene	200000	U
	Isophorone	200000	ש
70-39 I 00-75-5	2-Nitrophenol	200000	U
105-67-9	2,4-Dimethylphenol	200000	U
65-05-0	Benzoic Acid	960000	U
111_01_1	bis(2-Chloroethoxy)Methane	200000	ַ
120-83-2	2,4-Dichlorophenol	200000	U
120-03 2	1,2,4-Trichlorobenzene	200000	שׁן
91-20-3	Naphthalene	200000	บ
106-47-8	4-Chloroaniline	200000	U
27-62-3	Hexachlorobutadiene	200000	ט
59-50-7	4-Chloro-3-Methylphenol	200000	U
91-57-6	2-Methylnaphthalene	200000	שׁן
77-47-4	Hexachlorocyclopentadiene	200000	U
88-06-2	2,4,6-Trichlorophenol	200000	שׁ
95-95-4	2,4,5-Trichlorophenol	960000	U
91-58-7	2-Chloronaphthalene	200000	U
88-74-4	2-Nitroaniline	960000	שׁ
131-11-3	Dimethyl Phthalate	200000	ט
208-96-8	Acenaphthylene	200000	ט
606-20-2	2,6-Dinitrotoluene	200000	ט

Jame: WEYERHAEUSER Contract: MCCOURT

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WEYAB214

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

PC Cleanup: (Y/N) N pH: Dilution Factor: 10

CONCENTRATION UNITS:

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

960000 U 99-09-2----3-Nitroaniline\_\_ U 200000 83-32-9-----Acenaphthene U 960000 51-28-5----2,4-Dinitrophenol 960000 U 100-02-7----4-Nitrophenol 200000 U 132-64-9-----Dibenzofuran 121-14-2----2,4-Dinitrotoluene\_ 200000 U U 200000 84-66-2-----Diethylphthalate\_ Ú 7005-72-3----4-Chlorophenyl-phenylether 200000 U 200000 86-73-7-----Fluorene U 960000 100-01-6----4-Nitroaniline 960000 U 534-52-1----4,6-Dinitro-2-Methylphenol 200000 U 86-30-6----N-Nitrosodiphenylamine (1) U 101-55-3----4-Bromophenyl-phenylether 200000 U 200000 118-74-1-----Hexachlorobenzene\_ J 870000 87-86-5-----Pentachlorophenol U 200000 85-01-8-----Phenanthrene U 200000 120-12-7-----Anthracene U 84-74-2-----Di-n-Butylphthalate 200000 U 200000 206-44-0----Fluoranthene U 200000 129-00-0----Pyrene U 200000 85-68-7-----Butylbenzylphthalate U 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_ 400000 U 200000 56-55-3----Benzo(a) Anthracene\_ U 200000 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)phthalate\_ 200000 200000 U 117-84-0-----Di-n-Octyl Phthalate\_ U 200000 205-99-2----Benzo(b) Fluoranthene\_ 200000 U 207-08-9----Benzo(k) Fluoranthene 200000 U 50-32-8----Benzo(a) Pyrene U 200000 193-39-5----Indeno(1,2,3-cd)Pyrene\_ U 200000 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_ U 200000 191-24-2----Benzo(g,h,i)Perylene\_\_\_

(1) - Cannot be separated from Diphenylamine

**1F** 

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB214

lame: WEYERHAEUSER

Contract: MCCOURT

ab Code: WEYER

Case No.: 05855

SAS No.:

SDG No.: 72326

fatrix: (soil/water) SOIL

Lab File ID:

BN0709F

3ample wt/vol:

1.0 (g/mL) G

Level: (low/med) MED

Date Received:

05/30/91

Moisture: not dec.

Date Extracted: 07/03/91

Extraction:

(SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

PC Cleanup: (Y/N) N

pH:

dec.

Dilution Factor: 10

Lab Sample ID: 72339

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

Number TICs found:

Q EST. CONC. COMPOUND NAME RTCAS NUMBER

Q

### 1B SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: MCCOURT Name: WEYERHAEUSER

COMPOUND

208-96-8-----Acenaphthylene

606-20-2----2,6-Dinitrotoluene\_

CAS NO.

WEYAB215

SDG No.: 72326 SAS No.: Lab Code: WEYER Case No.: 05855

72340 Lab Sample ID: Matrix: (soil/water) SOIL

Lab File ID: BN0709G (g/mL) G 1.3 Sample wt/vol:

Date Received: 05/30/91 Level: (low/med) MED

Date Extracted: 07/03/91 Moisture: not dec. dec.

Date Analyzed: 07/10/91 (SepF/Cont/Sonc) SONC Extraction:

Dilution Factor: 1.00 pH: FPC Cleanup: (Y/N) N

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

U 15000 108-95-2----Phenol U 111-44-4-----bis(2-Chloroethyl)Ether 15000 U 15000 95-57-8----2-Chlorophenol U 15000 541-73-1----1,3-Dichlorobenzene U 15000 106-46-7----1,4-Dichlorobenzene\_ U 15000 100-51-6----Benzyl Alcohol U 15000 95-50-1----1,2-Dichlorobenzene\_ U 15000 95-48-7----2-Methylphenol U 15000 108-60-1-----bis(2-Chloroisopropyl)Ether\_ U 15000 106-44-5----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 15000 U 15000 67-72-1-----Hexachloroethane\_\_ U 15000 98-95-3----Nitrobenzene\_ U 15000 78-59-1----Isophorone U 15000 88-75-5----2-Nitrophenol 105-67-9-----2,4-Dimethylphenol 15000 U 74000 U 65-85-0-----Benzoic Acid 15000 U 111-91-1----bis(2-Chloroethoxy)Methane U 15000 120-83-2----2,4-Dichlorophenol U 15000 120-82-1----1,2,4-Trichlorobenzene\_ U 15000 91-20-3----Naphthalene U 15000 106-47-8----4-Chloroaniline U 15000 87-68-3-----Hexachlorobutadiene U 15000 59-50-7----4-Chloro-3-Methylphenol\_ U 15000 91-57-6----2-Methylnaphthalene U 15000 77-47-4----Hexachlorocyclopentadiene U 15000 88-06-2----2,4,6-Trichlorophenol U 74000 95-95-4----2,4,5-Trichlorophenol\_ U 15000 91-58-7----2-Chloronaphthalene\_ U 74000 88-74-4----2-Nitroaniline U 131-11-3-----Dimethyl Phthalate 15000

U

U

15000

15000

d Jame: WEYERHAEUSER Contract: MCCOURT WEYAB215

Lab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

fatrix: (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

PC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS: Q (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. 74000 U 99-09-2----3-Nitroaniline\_ U 15000 83-32-9-----Acenaphthene 74000 U 51-28-5----2,4-Dinitrophenol\_ 74000 U 100-02-7----4-Nitrophenol 132-64-9-----Dibenzofuran U 15000 U 15000 121-14-2----2,4-Dinitrotoluene 15000 U 84-66-2----Diethylphthalate U 15000 7005-72-3----4-Chlorophenyl-phenylether\_ U 15000 86-73-7-----Fluorene U 100-01-6----4-Nitroaniline 74000 534-52-1----4,6-Dinitro-2-Methylphenol U 74000 U 15000 86-30-6----N-Nitrosodiphenylamine (1) U 101-55-3----4-Bromophenyl-phenylether 15000 Ũ 15000 118-74-1-----Hexachlorobenzene 74000 U 87-86-5----Pentachlorophenol\_ U 85-01-8-----Phenanthrene 15000 Ű 15000 120-12-7-----Anthracene 84-74-2-----Di-n-Butylphthalate 15000 U 15000 U 206-44-0----Fluoranthene 15000 U 129-00-0----Pyrene U 85-68-7-----Butylbenzylphthalate 15000 30000 U 91-94-1----3,3'-Dichlorobenzidine\_ 15000 U 56-55-3-----Benzo(a) Anthracene\_ U 15000 218-01-9-----Chrysene U 15000 117-81-7----bis(2-Ethylhexyl)phthalate\_ U 117-84-0----Di-n-Octyl Phthalate 15000 15000 U 205-99-2----Benzo(b) Fluoranthene U 15000 207-08-9----Benzo(k)Fluoranthene\_ U 15000 50-32-8-----Benzo(a) Pyrene 15000 U 193-39-5----Indeno(1,2,3-cd)Pyrene\_ U 15000 53-70-3----Dibenz(a,h)Anthracene 15000 U 191-24-2----Benzo(g,h,i)Perylene\_ (1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB215

Jame: WEYERHAEUSER

Contract: MCCOURT

SDG No.: 72326

ab Code: WEYER

Case No.: 05855 SAS No.:

Lab Sample ID: 72340

!atrix: (soil/water) SOIL

(g/mL) G 1.3

Lab File ID:

BN0709G

sample wt/vol:

(low/med) MED Date Received:

05/30/91

Moisture: not dec.

dec.

Date Extracted: 07/03/91

Extraction:

evel:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 07/10/91

PC Cleanup: (Y/N) N

Dilution Factor: 1.00

Jumber TICs found:

pH:

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

EST. CONC. RTCOMPOUND NAME CAS NUMBER

lame: WEYERHAEUSER Contract: MCCOURT WEYAB216

hab 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

FPC Cleanup: (Y/N) N pH: Dilution Factor: 50

CONCENTRATION UNITS: Q (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. 710000 108-95-2----Phenol U 111-44-4-----bis(2-Chloroethyl)Ether 710000 710000 U 95-57-8----2-Chlorophenol 710000 U 541-73-1----1,3-Dichlorobenzene U 710000 106-46-7----1,4-Dichlorobenzene\_ U. 710000 100-51-6----Benzyl Alcohol U 710000 95-50-1----1,2-Dichlorobenzene U 710000 95-48-7----2-Methylphenol U 108-60-1-----bis(2-Chloroisopropyl)Ether\_ 710000 U 710000 106-44-5----4-Methylphenol 621-64-7----N-Nitroso-Di-n-Propylamine U 710000 U 710000 67-72-1-----Hexachloroethane\_\_\_\_ IJ 710000 98-95-3-----Nitrobenzene\_ U 710000 78-59-1-----Isophorone U 710000 88-75-5----2-Nitrophenol U 710000 105-67-9----2,4-Dimethylphenol\_ 3400000 U 65-85-0-----Benzoic Acid\_ 111-91-1----bis(2-Chloroethoxy)Methane U 710000 710000 U 120-83-2----2,4-Dichlorophenol U 120-82-1----1,2,4-Trichlorobenzene\_ 710000 U 710000 91-20-3----Naphthalene U 710000 106-47-8----4-Chloroaniline U 710000 87-68-3-----Hexachlorobutadiene U 710000 59-50-7----4-Chloro-3-Methylphenol\_ U 710000 91-57-6----2-Methylnaphthalene U 77-47-4----Hexachlorocyclopentadiene\_ 710000 U 710000 88-06-2----2,4,6-Trichlorophenol J 230000 95-95-4----2,4,5-Trichlorophenol\_ U 710000 91-58-7----2-Chloronaphthalene\_ U 3400000 88-74-4----2-Nitroaniline U 710000 131-11-3----Dimethyl Phthalate U 710000 208-96-8-----Acenaphthylene 710000 606-20-2----2,6-Dinitrotoluene\_

Contract: MCCOURT Jame: WEYERHAEUSER

WEYAB216

Case No.: 05855

SAS No.:

SDG No.: 72326

atrix: (soil/water) SOIL

Lab Sample ID: 72341

ample wt/vol:

ab Code: WEYER

1.4 (g/mL) G

Lab File ID:

BN0709H

(low/med) MED Date Received:

05/30/91

Moisture: not dec.

dec.

Date Extracted: 07/03/91

xtraction:

evel:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 07/10/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 50

CONCENTRATION UNITS:

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

99-09-23-Nitroaniline	3400000	U
33-32-9Acenaphthene	710000	U
51-28-52,4-Dinitrophenol	3400000	U
00-02-74-Nitrophenol	3400000	U
32-64-9Dibenzofuran	710000	U
21-14-22,4-Dinitrotoluene	710000	U
34-66-2Diethylphthalate	710000	U
7005-72-34-Chlorophenyl-phenylether	710000	Ū
36-73-7Fluorene	710000	U
100-01-64-Nitroaniline	3400000	U
534-52-14,6-Dinitro-2-Methylphenol	3400000	Ū
36-30-6N-Nitrosodiphenylamine (1)	710000	U
01-55-34-Bromophenyl-phenylether	710000	U
18-74-1Hexachlorobenzene	710000	U
37-86-5Pentachlorophenol	3200000	J
35-01-8Phenanthrene	710000	U
20-12-7Anthracene	710000	U
34-74-2Di-n-Butylphthalate	710000	U
206-44-0Fluoranthene	710000	U
29-00-0Pyrene	710000	U
35-68-7Butylbenzylphthalate	710000	U
91-94-13,3'-Dichlorobenzidine	1400000	U
66-55-3Benzo(a) Anthracene	710000	U
218-01-9Chrysene	710000	U
17-81-7bis(2-Ethylhexyl)phthalate	710000	ט
17-84-0Di-n-Octyl Phthalate	710000	U
205-99-2Benzo(b)Fluoranthene	710000	U
207-08-9Benzo(k) Fluoranthene	710000	U
50-32-8Benzo(a) Pyrene	710000	U
193-39-5Indeno(1,2,3-cd)Pyrene	710000	U
53-70-3Dibenz(a,h)Anthracene	710000	U
191-24-2Benzo(g,h,i)Perylene	710000	U
gi-z4-zBenzo(g,n,i)reryrene		_

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB216

Jame: WEYERHAEUSER

Case No.: 05855 SAS No.:

Contract: MCCOURT

SDG No.: 72326

{atrix: (soil/water) SOIL

Lab Sample ID:

72341

3ample wt/vol:

lab Code: WEYER

(g/mL) G 1.4

Lab File ID:

BN0709H

\_evel:

(low/med) MED

Date Received: 05/30/91

t Moisture: not dec.

dec.

Date Extracted: 07/03/91

Extraction:

(SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

PC Cleanup: (Y/N) N

CAS NUMBER

pH:

COMPOUND NAME

Dilution Factor: 50

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

Number TICs found:

RTEST. CONC.

a Jame: WEYERHAEUSER Contract: MCCOURT WEYAB217

ab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

latrix: (soil/water) SOIL Lab Sample ID: 72342

ample wt/vol: 1.7 (g/mL) G Lab File ID: BN0709I

evel: (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

PC Cleanup: (Y/N) N pH: Dilution Factor: 100

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q COMPOUND CAS NO. 1200000 108-95-2----Phenol U 1200000 111-44-4-----bis(2-Chloroethyl)Ether U 1200000 95-57-8----2-Chlorophenol U 1200000 541-73-1----1,3-Dichlorobenzene\_ U 1200000 106-46-7----1,4-Dichlorobenzene U 1200000 100-51-6----Benzyl Alcohol U 1200000 95-50-1----1, 2-Dichlorobenzene\_ U 1200000 95-48-7----2-Methylphenol U 108-60-1----bis(2-Chloroisopropyl)Ether\_ 1200000 U 1200000 106-44-5----4-Methylphenol IJ 1200000 621-64-7----N-Nitroso-Di-n-Propylamine U 1200000 67-72-1-----Hexachloroethane\_\_\_\_ U 1200000 98-95-3----Nitrobenzene\_ U 1200000 78-59-1-----Isophorone U 1200000 88-75-5----2-Nitrophenol U 1200000 105-67-9----2,4-Dimethylphenol\_ U 5600000 65-85-0-----Benzoic Acid\_ U 111-91-1-----bis(2-Chloroethoxy)Methane\_ 1200000 U 1200000 120-83-2----2,4-Dichlorophenol\_ 120-82-1----1,2,4-Trichlorobenzene\_ U 1200000 U 1200000 91-20-3----Naphthalene U 1200000 106-47-8----4-Chloroaniline U 1200000 87-68-3-----Hexachlorobutadiene U 1200000 59-50-7----4-Chloro-3-Methylphenol\_ U 1200000 91-57-6----2-Methylnaphthalene U 1200000 77-47-4-----Hexachlorocyclopentadiene\_ 1200000 U 88-06-2----2,4,6-Trichlorophenol\_ 5600000 U 95-95-4----2,4,5-Trichlorophenol\_ U 1200000 91-58-7----2-Chloronaphthalene\_\_\_ U 5600000 88-74-4----2-Nitroaniline U 1200000 131-11-3-----Dimethyl Phthalate\_ U 1200000 208-96-8-----Acenaphthylene 1200000 U 606-20-2----2,6-Dinitrotoluene

WEYAB217

Name: WEYERHAEUSER Contract: MCCOURT

Tab 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

sxtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91

SPC Cleanup: (Y/N) N pH: Dilution Factor: 100

CONCENTRATION UNITS:

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

5600000 Ħ 99-09-2----3-Nitroaniline U 1200000 83-32-9-----Acenaphthene U 5600000 51-28-5----2,4-Dinitrophenol\_\_\_\_ U 5600000 100-02-7----4-Nitrophenol U 1200000 132-64-9-----Dibenzofuran U 1200000 121-14-2----2,4-Dinitrotoluene 84-66-2----Diethylphthalate U 1200000 U 7005-72-3----4-Chlorophenyl-phenylether 1200000 U 1200000 86-73-7----Fluorene U 5600000 100-01-6----4-Nitroaniline 534-52-1----4,6-Dinitro-2-Methylphenol 5600000 U 1200000 U 86-30-6----N-Nitrosodiphenylamine (1) U 101-55-3----4-Bromophenyl-phenylether 1200000 U 1200000 118-74-1-----Hexachlorobenzene\_ 10000000 87-86-5----Pentachlorophenol\_ U 1200000 85-01-8-----Phenanthrene\_ U 1200000 120-12-7-----Anthracene U 1200000 84-74-2----Di-n-Butylphthalate 1200000 U 206-44-0----Fluoranthene\_ 1200000 U 129-00-0----Pyrene 1200000 U 85-68-7----Butylbenzylphthalate 91-94-1----3,37-Dichlorobenzidine 2300000 U U 56-55-3----Benzo(a)Anthracene 1200000 U 1200000 218-01-9-----Chrysene Ŭ 1200000 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 Ŭ 207-08-9----Benzo(k)Fluoranthene U 1200000 50-32-8-----Benzo(a) Pyrene\_ U 1200000 193-39-5----Indeno(1,2,3-cd)Pyrene\_ U 1200000 53-70-3----Dibenz(a,h)Anthracene U 1200000 191-24-2----Benzo(g,h,i)Perylene\_

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEYAB217

!ame: WEYERHAEUSER

Contract: MCCOURT

Lab Code: WEYER Case No.: 05855 SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: 72342

3ample wt/vol:

1.7 (g/mL) G

Lab File ID:

BN0709I

(low/med) MED

Date Received: 05/30/91

& Moisture: not dec.

dec.

Date Extracted: 07/03/91

Extraction:

Sevel:

(SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

GPC Cleanup: (Y/N) N

pH:

Dilution Factor: 100

Number TICs found:

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

EPA SAMPLE NO.

SBLKS1

Contract: MCCOURT Jame: WEYERHAEUSER

ab Code: WEYER

Case No.: 05855 SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS1

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

Lab File ID:

CONCENTRATION UNITS:

BN0709A

evel: (low/med) MED

; Moisture: not dec. dec.

Date Received:

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

CAS NO.	COMPOUND	(ug/L or u	g/Kg) UG/KG	Q	
CAD NO.			1	ı	ı
108-95-2	Phonol		20000	บ	
108-95-2	bis(2-Chloroethy)	Ether	20000	U	
111-44-4	2-Chlorophenol	-,	20000	ט'	
95-57-8	2-Chlorophenol 1,3-Dichlorobenze	ne		U	- 1
306 46 7	1,4-Dichlorobenze	ene	20000	ַ ט	
				U	
T00-21-0	Benzyl Alcohol 1,2-Dichlorobenze	ene	20000	ט	
95-50-1	2-Methylphenol		20000	U	
300 60 3	bis(2-Chloroisop	ropyllEther	20000	שׁ	
TO8-60-1	4-Methylphenol		20000	U	
106-44-5	N-Nitroso-Di-n-P	ropylamine	20000	U	ļ
621-64-7	Hexachloroethane	- OF 1		U	1
6/-/Z-I	Nitrobenzene		20000	ַט	
98-95-3	Isophorone		20000	U	
/8-59-I	2-Nitrophenol	<u> </u>	20000	ט	
88-75-5	2,4-Dimethylphen	2]		บ	
105-67-9	Benzoic Acid	OT-	96000	Ū	
65-85-0	bis(2-Chloroetho	vv\Methane		υ	
111-91-1	bis (2-chioroecho.	v) Heemanc_	20000	ΰ	
120-83-2	2,4-Dichlorophen	onzone	i	Ū	•
120-82-1	1,2,4-Trichlorob	enzene	—  20000	Ū	
91-20-3	Naphthalene		20000	Ū	
106-47-8	4-Chloroaniline	000	20000	υ	
87-68-3	Hexachlorobutadi	ene Inhonol	—  20000 20000	Ιŭ	1
59-50-7	4-Chloro-3-Methy	Thuenor	20000	υ	l
91-57-6	2-Methylnaphthal	ene	1	Ü	
77-47-4	Hexachlorocyclop	encautene	20000	ĺΰ	
88-06-2	2,4,6-Trichlorop	nenor	<del></del>	Ü	1
95-95-4	2,4,5-Trichlorop	nenoi	1	บั	1
91-58-7	2-Chloronaphthal	ene	96000	ϋ	
88-74-4	2-Nitroaniline_	1	1	Ü	ļ
131-11-3	Dimethyl Phthala	τe	— 20000 20000	ប្រ	- 1
208-96-8	Acenaphthylene		20000	Ü	
606-20-2	2,6-Dinitrotolue	ne	i	10	

Jame: WEYERHAEUSER Contract: MCCOURT

ab Code: WEYER Case No.: 05855 SAS No.: SDG No.: 72326

Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1

fample wt/vol: 1.0 (g/mL) G Lab File ID: BN0709A

evel: (low/med) MED Date Received:

Moisture: not dec. dec. Date Extracted: 07/03/91

httraction: (SepF/Cont/Sonc) SONC Date Analyzed: 07/10/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION (ug/L or ug/Kg		
CAD NO.	COMPOND	(ug/ L OL ug/ ng	, 50, 210	1
99-09-2	3-Nitroaniline	<u> </u>	96000	ט
	Acenaphthene		20000	U
	2,4-Dinitrophe	enol	96000	U
100-02-7	4-Nitrophenol		96000	U.
	Dibenzofuran		20000	U
	2,4-Dinitroto	uene	20000	U
84-66-2	Diethylphthala	ate	20000	U
7005-72-3	4-Chloropheny	-phenylether	20000	U
86-73-7	Fluorene		20000	υ
	4-Nitroaniline	9	96000	U
	4,6-Dinitro-2-		96000	U
86-30-6	N-Nitrosodiphe	enylamine (1)	20000	U
	4-Bromophenyl-		20000	U
	Hexachlorobenz		20000	U
	Pentachlorophe		96000	Ū
	Phenanthrene		20000	U
120-12-7	Anthracene		20000	U
84-74-2	Di-n-Butylphth	nalate	20000	U
206-44-0	Fluoranthene		20000	U
129-00-0	Pyrene		20000	Ū
85-68-7	Butylbenzylpht	halate	20000	Ū
9194-1	3,3 <sup>7</sup> -Dichlorol	penzidine	40000	U
56-55-3	Benzo(a)Anthra	acene	20000	U
218-01-9	Chrysène		20000	U
117-81-7	bis(2-Ethylhe	(yl)phthalate	20000	U
117-84-0	Di-n-Octyl Pht	halate —	20000	U
	Benzo(b) Fluora		20000	U
	Benzo(k)Fluora		20000	U
	Benzo(a) Pyrene		20000	U
	Indenò(1,2,3-c		20000	U
	Dibenz (a, h) Ant		20000	U
	Benzo(g,h,i)Pe		20000	U
1) - Cannot	be separated from I			_

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

lame: WEYERHAEUSER

Contract: MCCOURT

lab Code: WEYER

Case No.: 05855 SAS No.:

SDG No.: 72326

fatrix: (soil/water) SOIL

sample wt/vol:

1.0 (g/mL) G

Lab File ID:

BN0709A

SBLKS1

wel: (low/med) MED

Date Received:

Lab Sample ID:

Date Extracted: 07/03/91

%xtraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 07/10/91

CAS NUMBER

\*PC Cleanup: (Y/N) N

:Hq

COMPOUND NAME

dec.

Dilution Factor: 1.0

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

Number TICs found: 0

\* Moisture: not dec.

RTEST. CONC.

Contract: MCCOURT z lame: WEYERHAEUSER

SBLKS2

ab Code: WEYER Case No.: 05855 SAS No.:

SDG No.: 72326

Matrix: (soil/water) SOIL

Lab Sample ID: SBLKS2

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

Lab File ID: BN0710H

evel: (low/med) MED

Date Received:

Moisture: not dec. dec.

Date Extracted: 07/10/91

Extraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 07/11/91

PC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:

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

1		1
. Dhanal	20000	ប
108-95-2Phenol 111-44-4bis(2-Chloroethyl)Ether	20000	ΙŪ
111-44-4	20000	U
95-57-82-Chlorophenol	20000	บั
541-73-11,3-Dichlorobenzene	20000	Ŭ
106-46-71,4-Dichlorobenzene	20000	Ü
100-51-6Benzyl Alcohol	20000	บั
95-50-11,2-Dichlorobenzene	20000	Ü
95-48-72-Methylphenol	20000	l ซั
108-60-1bis(2-Chloroisopropyl)Ether	20000	ŭ
106-44-5	20000	บั
621-64-7N-Nitroso-Di-n-Propylamine	20000	Ü
67-72-1Hexachloroethane		บ็
98-95-3Nitrobenzene	20000	บ็
78-59-1Isophorone	20000	
88-75-52-Nitrophenol	20000	ប្រ
105-67-92,4-Dimethylphenol	20000	U
65-85-0Benzoic Acid	96000	שׁ
111-91-1bis(2-Chloroethoxy)Methane	20000	ַט
120-83-22,4-Dichlorophenol	20000	บ
120-82-11,2,4-Trichlorobenzene	20000	U
91-20-3Naphthalene	20000	ט
106-47-84-Chloroaniline	20000	U
87-68-3Hexachlorobutadiene	20000	U
59-50-74-Chloro-3-Methylphenol	20000	U
91-57-62-Methylnaphthalene	20000	ប
77-47-4Hexachlorocyclopentadiene	20000	ប
88-06-22,4,6-Trichlorophenol	20000	U
95-95-42,4,5-Trichlorophenol	96000	ַטן
91-58-72-Chloronaphthalene	20000	ับ
88-74-42-Nitroaniline	96000	Ū
88-/4-4Z-NICIUalititic	20000	ט
131-11-3Dimethyl Phthalate	20000	<b>ט</b>
208-96-8Acenaphthylene	20000	Ū
606-20-22,6-Dinitrotoluene		-
	I	- 1

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKS2

Contract: MCCOURT Jame: WEYERHAEUSER

SDG No.: 72326 Case No.: 05855 SAS No.: ab Code: WEYER

SBLKS2 Lab Sample ID: (atrix: (soil/water) SOIL

BN0710H Lab File ID: (g/mL) G ample wt/vol: 1.0

Date Received: (low/med) MED evel:

Date Extracted: 07/10/91 dec. : Moisture: not dec.

Date Analyzed: 07/11/91 (SepF/Cont/Sonc) CONT extraction:

Dilution Factor: 1.0 PC Cleanup: (Y/N) N pH:

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

U 96000 99-09-2----3-Nitroaniline U 20000 83-32-9-----Acenaphthene 96000 U 51-28-5----2,4-Dinitrophenol\_\_\_\_ 96000 U 100-02-7----4-Nitrophenol\_ 20000 U 132-64-9-----Dibenzofuran U 121-14-2----2,4-Dinitrotoluene 20000 20000 U 84-66-2----Diethylphthalate 7005-72-3----4-Chlorophenyl-phenylether U 20000 U 20000 86-73-7----Fluorene U 100-01-6----4-Nitroaniline 96000 U 534-52-1----4,6-Dinitro-2-Methylphenol\_ 96000 20000 U 86-30-6----N-Nitrosodiphenylamine (1)\_ U 20000 101-55-3----4-Bromophenyl-phenylether\_\_ U 20000 118-74-1-----Hexachlorobenzene U 96000 87-86-5-----Pentachlorophenol U . 20.000 85-01-8-----Phenanthrene\_ U 20000 120-12-7-----Anthracene U 84-74-2-----Di-n-Butylphthalate 20000 U 20000 206-44-0----Fluoranthene\_ IJ 20000 129-00-0-----Pyrene 85-68-7----Butylbenzylphthalate\_ U 20000 U 91-94-1----3,3'-Dichlorobenzidine\_\_\_ 40000 20000 U 56-55-3----Benzo(a) Anthracene U 20000 218-01-9-----Chrysene 20000 U 117-81-7-----bis(2-Ethylhexyl)phthalate U 20000 117-84-0----Di-n-Octyl Phthalate U 20000 205-99-2----Benzo(b) Fluoranthene TI 20000 207-08-9----Benzo(k) Fluoranthene U 20000 50-32-8-----Benzo(a) Pyrene 20000 U 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_\_\_ Ų 20000 53-70-3-----Dibenz(a,h)Anthracene U 20000 191-24-2----Benzo(g,h,i)Perylene\_\_\_

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS2

/ame: WEYERHAEUSER

Contract: MCCOURT

ab 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

.evel: (low/med) MED

Date Received:

Moisture: not dec.

dec.

Date Extracted: 07/10/91

extraction:

(SepF/Cont/Sonc) CONT

Date Analyzed: 07/11/91

FPC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:

lumber TICs found:

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

EST. CONC. CAS NUMBER COMPOUND NAME RT



# Weyerhaeuser

August 21, 1991 Date

Dennis Catalano From

Tacoma, WTC 2F25 Location

SR# 06483 Aberdeen Sawmill Soil Cleanup - Penta/NP-1 Subject

WTC 2H4 Mick McCourt To

> 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

Ger Weres Duri Straffen 2

Attachment

### FLAG QUALIFIERS DESCRIPTION

- U Indicates compound was analyzed for but not detected.
- 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

Method: 8270 > Name: WEYERHAEUSER

WAB301

Case No.: 06483 SAS No.: SDG No.: 76298 > Code: WEYER

76298 Lab Sample ID: crix: (soil/water) SOIL

Lab File ID: BN10815G aple wt/vol: 1.7 (g/mL) G

/el: (low/med) MED Date Received: 08/15/91

Date Extracted: 08/15/91 Moisture: not dec. 36 dec.

Date Analyzed: 08/16/91 raction: (SepF/Cont/Sonc) SONC

Cleanup: (Y/N) N pH: 6.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTR			Q
108-95-2 111-44-4 95-57-8 541-73-1 106-46-7 95-50-1 95-50-1 95-48-7 108-60-1 106-44-5 621-64-7 98-95-3 78-59-1 88-75-5 105-67-9 11-91-1 120-83-2 11-91-1 120-83-2 91-20-3 91-20-3 91-57-6 91-57-6 95-95-4	-Phenolbis(2-Chloroethyl) -2-Chlorophenol1,3-Dichlorobenze -1,4-Dichlorobenze -Benzyl Alcohol1,2-Dichlorobenze -2-Methylphenolbis(2-Chloroisopro-4-MethylphenolN-Nitroso-Di-n-Pro-HexachloroethaneNitrobenzeneIsophorone2-Nitrophenol2,4-Dimethylphenolbis(2-Chloroethox2,4-Dichloropheno1,2,4-Trichlorobe	(ug/L or )Ether ne ne opyl)Ethe opylamine l y)Methane l nzene ne phenol ne_ enol enol enol enol	ug/Kg)		ממממממממממממממממממממממ
208-96-8	-2-Nitroaniline -Dimethyl Phthalat -Acenaphthylene -2,6-Dinitrotoluen			88000 18000 18000 18000	U U U
				<u></u>	[ <u></u>

Method: 8270

WAB301

b Code: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

trix: (soil/water) SOIL

b Name: WEYERHAEUSER

76298 Lab Sample ID:

mple wt/vol:

1.7 (g/mL) G

Lab File ID:

BN10815G

vel: (low/med) MED

Date Received: 08/15/91

Moisture: not dec.

36

dec.

Date Extracted: 08/15/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91

C Cleanup: (Y/N) N

pH:

6.1 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRA (ug/L or			Q	
99-09-2 83-32-9 51-28-5 100-02-7 132-64-9 121-14-2 84-66-2 7005-72-3 86-73-7 100-01-6 534-52-1 86-30-6 101-55-3 118-74-1 87-86-5 120-12-7 84-74-2 206-44-0 129-00-0 56-55-3 218-01-9 117-81-7 117-84-0	3-NitroanilineAcenaphthene2,4-Dinitropher4-NitrophenolDibenzofuran2,4-DinitrotoluDiethylphthalat4-ChlorophenylFluorene4,6-Dinitro-2-IN-Nitrosodipher4-BromophenylHexachlorobenzePentachloropherPhenanthrenePhenanthrenePyreneButylbenzylpht3,3'-DichlorobeBenzo(a)AnthraeChrysene	(ug/L or nol	ug/Kg)		מממממממממממממממממממממממממ	
50-32-8	Benzo(k)Fluora Benzo(a)Pyrene Indeno(1,2,3-c	d) Pyrene		18000 18000	U U	
53-70-3	Dibenz(a,h)Ant Benzo(g,h,i)Pe	hracene		18000 18000	U	

- Cannot be separated from Diphenylamine

TENTATIVELY IDENTIFIED COMPOUNDS

WAB301

EPA SAMPLE NO.

b / me: WEYERHAEUSER

b Code: WEYER

mple wt/vol:

Case No.: 06483 SAS No.:

Method: 8270

SDG No.: 76298

trix: (soil/water) SOIL

1.7 (g/mL) G

Lab Sample ID: 76298

Lab File ID: BN10815G

(low/med) MED

Date Received: 08/15/91

Moisture: not dec.

36 dec. Date Extracted: 08/15/91

traction:

vel:

(SepF/Cont/Sonc) SONC

Date Analyzed: 08/16/91

C Cleanup: (Y/N) N

6.1 pH:

Dilution Factor: 1.00

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

imber TICs found:

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 58-90-2 2. 3. 4. 3268-87-9	PHENOL, 2,3,4,6-TETRACHLORO- UNKNOWN UNKNOWN DIBENZO[B,E][1,4]DIOXIN, OCT	32.92 33.24	43000 12000 14000 39000	JX JX JX

b Name: WEYERHAEUSER

WAB301RE Method: 8270

Case No.: 06483 SAS No.: SDG No.: 76298 b Code: WEYER

Lab Sample ID: 76298RE trix: (soil/water) SOIL

Lab File ID: 2BN10815H (g/mL) G mple wt/vol: 1.7

Date Received: 08/15/91 (low/med) MED vel:

Date Extracted: 08/15/91 dec. Moisture: not dec. 36

Date Analyzed: 08/16/91 (SepF/Cont/Sonc) SONC traction:

Dilution Factor: 10.0 6.1 pH: C Cleanup: (Y/N) N

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

U 180000 108-95-2----Phenol U 111-44-4----bis(2-Chloroethyl)Ether 180000 Ü 180000 95-57-8----2-Chlorophenol 180000 U 541-73-1----1,3-Dichlorobenzene\_ U 106-46-7----1,4-Dichlorobenzene\_ 180000 U 180000 100-51-6-----Benzyl Alcohol U 180000 95-50-1----1,2-Dichlorobenzene\_ U 180000 95-48-7----2-Methylphenol U 108-60-1----bis(2-Chloroisopropyl)Ether\_ 180000 U 180000 106-44-5-----4-Methylphenol U 180000 621-64-7----N-Nitroso-Di-n-Propylamine\_ U 67-72-1-----Hexachloroethane\_\_\_\_ 180000 U 180000 98-95-3-----Nitrobenzene U 180000 78-59-1----Isophorone U 180000 88-75-5----2-Nitrophenol 180000 U 105-67-9----2,4-Dimethylphenol 880000 U 65-85-0-----Benzoic Acid 111-91-1----bis(2-Chloroethoxy)Methane 180000 U 180000 U 120-83-2----2,4-Dichlorophenol120-82-1----1,2,4-Trichlorobenzene 180000 U U 180000 91-20-3----Naphthalene 180000 U 106-47-8-----4-Chloroaniline U 180000 87-68-3-----Hexachlorobutadiene U 59-50-7-----4-Chloro-3-Methylphenol 180000 U 180000 91-57-6----2-Methylnaphthalene U 180000 77-47-4-----Hexachlorocyclopentadiene\_ 88-06-2----2,4,6-Trichlorophenol U 180000 U 880000 95-95-4-----2,4,5-Trichlorophenol\_ U 180000 91-58-7----2-Chloronaphthalene\_ U 880000 88-74-4----2-Nitroaniline U 180000 131-11-3----Dimethyl Phthalate\_ U 180000 208-96-8-----Acenaphthylene U 180000 606-20-2----2,6-Dinitrotoluene\_

WAB301RE

'ame: WEYERHAEUSER

ab Code: WEYER

Method: 8270

SDG No.: 76298 SAS No.:

atrix: (soil/water) SOIL

76298RE Lab Sample ID:

ample wt/vol:

Lab File ID: 1.7 (q/mL) G

2BN10815H

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(low/med) MED evel:

Date Received: 08/15/91

Moisture: not dec.

36 dec.

Case No.: 06483

Date Extracted: 08/15/91

\*traction:

(SepF/Cont/Sonc)

Date Analyzed: 08/16/91

PC Cleanup: (Y/N) N

6.1 pH:

SONC

Dilution Factor: 10.0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q COMPOUND CAS NO. 880000 99-09-2----3-Nitroaniline U 180000 83-32-9----Acenaphthene Ù 880000 51-28-5----2,4-Dinitrophenol\_ U 880000 100-02-7----4-Nitrophenol U 180000 132-64-9-----Dibenzofuran U 121-14-2----2,4-Dinitrotoluene 180000 U 180000 84-66-2----Diethylphthalate IJ 7005-72-3----4-Chlorophenyl-phenylether\_ 180000 U 180000 86-73-7----Fluorene U 880000 100-01-6----4-Nitroaniline U 880000 534-52-1----4,6-Dinitro-2-Methylphenol U 180000 86-30-6----N-Nitrosodiphenylamine (1) U 180000 101-55-3----4-Bromophenyl-phenylether\_ U 180000 118-74-1-----Hexachlorobenzene J 370000 87-86-5-----Pentachlorophenol\_ U 180000 85-01-8-----Phenanthrene\_

206-44-0----Fluoranthene 129-00-0----Pyrene 85-68-7-----Butylbenzylphthalate\_ 91-94-1----3,3'-Dichlorobenzidine\_

84-74-2----Di-n-Butylphthalate

56-55-3-----Benzo(a) Anthracene 218-01-9-----Chrysene

117-81-7-----bis(2-Ethylhexyl)phthalate 117-84-0-----Di-n-Octyl Phthalate\_

120-12-7-----Anthracene

205-99-2----Benzo(b) Fluoranthene\_ 207-08-9----Benzo(k) Fluoranthene\_

50-32-8-----Benzo(a) Pyrene 193-39-5----Indeno(1,2,3-cd)Pyrene\_

53-70-3----Dibenz(a,h)Anthracene\_\_\_ 191-24-2----Benzo(g,h,i)Perylene\_

1) - Cannot be separated from Diphenylamine

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

trix: (soil/water) SOIL

Lab Sample ID:

76298RE

mple wt/vol:

(g/mL) G 1.7

Lab File ID:

2BN10815H

vel:

(low/med) MED

Date Received:

08/15/91

Moisture: not dec.

dec.

Date Extracted: 08/15/91

traction:

(SepF/Cont/Sonc)

36

SONC

Date Analyzed: 08/16/91

C Cleanup: (Y/N) N

CAS NUMBER

6.1 pH:

Dilution Factor: 10.0

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

mber TICs found:

COMPOUND NAME

RT

EST CONC.

1/87 Rev.

EPA SAMPLE NO.

WAB302

b Name: WEYERHAEUSER Method: 8270

b Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

trix: (soil/water) SOIL Lab Sample ID: 76299

mple wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10815D

vel: (low/med) MED Date Received: 08/15/91

Moisture: not dec. 31 dec. Date Extracted: 08/15/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/91

C Cleanup: (Y/N) Y pH: 5.7 Dilution Factor: 1.0

CONCENTRATION UNITS:

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

Method: 8270 Name: WEYERHAEUSER

WAB302

SDG No.: 76298

SAS No.: Case No.: 06483 Code: WEYER

Lab Sample ID: 76299 rix: (soil/water) SOIL

Lab File ID: 2BN10815D 1.3 (g/mL) G ple wt/vol:

Date Received: 08/15/91 (low/med) MED el:

Date Extracted: 08/15/91 loisture: not dec. 31 dec.

Date Analyzed: 08/15/91 SONC (SepF/Cont/Sonc) raction:

Dilution Factor: 1.0 pH: 5.7 ! Cleanup: (Y/N) Y

CONCENTRATION UNITS: Q (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. U 1.1.0000 99-09-2----3-Nitroaniline 22000 U 83-32-9-----Acenaphthene U 110000 51-28-5----2,4-Dinitrophenol\_ U 110000 100-02-7----4-Nitrophenol\_ 22000 U 132-64-9-----Dibenzofuran U 22000 121-14-2----2,4-Dinitrotoluene U 22000 84-66-2----Diethylphthalate 7005-72-3----4-Chlorophenyl-phenylether U 22000 U 22000 86-73-7----Fluorene U 110000 100-01-6----4-Nitroaniline U 1.10000 534-52-1----4,6-Dinitro-2-Methylphenol U 22000 86-30-6----N-Nitrosodiphenylamine (1)\_ U 101-55-3----4-Bromophenyl-phenylether 22000 U 22000 118-74-1-----Hexachlorobenzene 1900000 E 87-86-5-----Pentachlorophenol\_ U 22000 85-01-8-----Phenanthrene U 22000 120-12-7-----Anthracene 22000 U 84-74-2----Di-n-Butylphthalate\_ U 22000 206-44-0----Fluoranthene 22000 U 129-00-0-----Pyrene 85-68-7-----Butylbenzylphthalate 22000 U U 44000 91-94-1----3,3'-Dichlorobenzidine\_ U 22000 56-55-3----Benzo(a)Anthracene U 22000 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)phthalate\_ 22000 U 22000 117-84-0-----Di-n-Octyl Phthalate\_ 22000 U 205-99-2----Benzo(b) Fluoranthene U 22000 207-08-9----Benzo(k)Fluoranthene\_ U 22000 50-32-8-----Benzo(a) Pyrene U 22000 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_\_\_ U 22000 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_ U 22000 191-24-2----Benzo(g,h,i)Perylene\_ (1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

1F

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB302

ab Mame: WEYERHAEUSER

Method: 8270

ab code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

atrix: (soil/water) SOIL

Lab Sample ID:

76299

ample wt/vol:

(g/mL) G

Lab File ID:

2BN10815D

1.3

dec.

evel: (low/med) MED

Date Received:

08/15/91

Moisture: not dec.

31

Date Extracted: 08/15/91

xtraction:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 08/15/91

PC Cleanup: (Y/N) Y

5.7 pH:

Dilution Factor: 1.0

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

umber TICs found:

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====	
1. 4901-51-3 2. 10463-10-2 3. 1438-62-6 4. 7. 8. 3268-87-9	PHENOL, 2,3,4,5-TETRACHLORO-BENZENE, PENTACHLOROETHOXY-1-NAPHTHALENEPROPANOL, .ALPH UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN DIBENZO[B,E][1,4]DIOXIN, OCT	26.01 34.49 35.62 36.26	220000 25000 18000 9900 26000 23000 30000 40000	JX JX JX JX JX JX JX	

WAB302RE

b Name: WEYERHAEUSER Method: 8270

ub Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

trix: (soil/water) SOIL Lab Sample ID: 76299RE

imple wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10815I

evel: (low/med) MED Date Received: 08/15/91

Moisture: not dec. 31 dec. Date Extracted: 08/15/91

rtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91

C Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 10.0

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND (agy in oil agy	-19/ 0-/-1-	~
108-95-2	Phenol	220000	Ŭ
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	ט
95-48-7	2-Methylphenol	220000	ַ
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	บ
	Nitrobenzene	220000	ן ט
	Isophorone	220000	Ū.
	2-Nitrophenol	220000	U
	2,4-Dimethylphenol	220000	] บ
65-85-0	Benzoic Acid	1100000	บ
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	บ
91-20-3	Naphthalene .	220000	ប
	4-Chloroaniline	220000	U
	Hexachlorobutadiene	220000	ប
	4-Chloro-3-Methylphenol	220000	ប
	2-Methylnaphthalene	220000	ש
	Hexachlorocyclopentadiene	220000	ប
	2,4,6-Trichlorophenol	220000	U
	2,4,5-Trichlorophenol	120000	J
01-50-7	2-Chloronaphthalene	220000	บ
	2-Nitroaniline	1100000	ϋ
121 11-2	Dimethyl Phthalate	220000	Ū
		220000	บั
	Acenaphthylene	220000	บั
606-20-2	2,6-Dinitrotoluene	22000	1
1		l ————————————————————————————————————	_

Method: 8270

WAB302RE

ab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

trix: (soil/water) SOIL Lab Sample ID: 76299RE

mple wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10815I

evel: (low/med) MED Date Received: 08/15/91

Moisture: not dec. 31 dec. Date Extracted: 08/15/91

traction: (SepE/Cont/Song) SONC Date Analyzed: 08/16/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91

PC Cleanup: (Y/N) N pH: 5.7 Dilution Factor: 10.0

CONCENTRATION UNITS: Q (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. IJ 1100000 99-09-2----3-Nitroaniline 220000 U 83-32-9----Acenaphthene 1100000 U 51-28-5----2,4-Dinitrophenol\_ U 1100000 100-02-7----4-Nitrophenol U 220000 132-64-9-----Dibenzofuran U 220000 121-14-2----2,4-Dinitrotoluene\_ 220000 U 84-66-2-----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether\_ 220000 U 220000 86-73-7-----Fluorene IJ 1100000 100-01-6----4-Nitroaniline U 1100000 534-52-1----4,6-Dinitro-2-Methylphenol U 220000 86-30-6----N-Nitrosodiphenylamine (1)\_ U 220000 101-55-3----4-Bromophenyl-phenylether\_ U 220000 118-74-1-----Hexachlorobenzene\_ 2300000 87-86-5-----Pentachlorophenol U 220000 85-01-8-----Phenanthrene U 220000 120-12-7-----Anthracene IJ 84-74-2-----Di-n-Butylphthalate\_ 220000 220000 U 206-44-0----Fluoranthene\_ 220000 U 129-00-0-----Pyrene U 220000 85-68-7-----Butylbenzylphthalate 91-94-1----3,37-Dichlorobenzidine U 440000 U 220000 56-55-3----Benzo(a)Anthracene\_ U 220000 218-01-9-----Chrysene 117-81-7-----bis(2-Ethylhexyl)phthalate\_ Ũ 220000 U 220000 117-84-0-----Di-n-Octyl Phthalate\_ U 220000 205-99-2----Benzo(b)Fluoranthene\_ U 220000 207-08-9----Benzo(k)Fluoranthene 220000 U 50-32-8-----Benzo(a) Pyrene U 220000 193-39-5----Indeno(1,2,3-cd)Pyrene\_ U 220000 53-70-3-----Dibenz(a,h)Anthracene\_\_\_ U 220000 191-24-2----Benzo(g,h,i)Perylene\_ (1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB302RE

o Name: WEYERHAEUSER

Method: 8270

o Code: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

trix: (soil/water) SOIL

Lab Sample ID: 76299RE

mple wt/vol:

1.3 (g/mL) G

Lab File ID: 2BN10815I

vel:

(low/med) MED

Date Received:

08/15/91

Moisture: not dec.

dec.

Date Extracted: 08/15/91

traction:

(SepF/Cont/Sonc) SONC

31

08/16/91 Date Analyzed:

Cleanup: (Y/N) N

CAS NUMBER

pH: 5.7 Dilution Factor: 10.0

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

mber TICs found: 0

> EST. CONC. RTCOMPOUND NAME

WAB303

ab Name: WEYERHAEUSER

Method: 8270

tb code: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

trix: (soil/water) SOIL

Lab Sample ID:

76300

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

Lab File ID:

2BN10820A

vel: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 11 dec.

Date Extracted: 08/19/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 4.0

CONCENTRATION UNITS:

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

CAS NO. COMPOUND (ug/L)	I ug/kg/ og/kg	~
	64000	U
108-95-2Phenol	64000	ซื
111-44-4bis(2-Chloroethyl)Ether_	64000	
95-57-82-Chlorophenol	64000	U
541-73-11,3-Dichlorobenzene	64000	ŭ
106-46-71,4-Dichlorobenzene	64000	ប
100-51-6Benzyl Alcohol	64000	U
95-50-11,2-Dichlorobenzene	64000	ប
95-48-72-Methylphenol	64000	U
108-60-1bis(2-Chloroisopropyl)Eth	er 64000	U
106-44-54-Methylpheno⊥	04000	U
621-64-7N-Nitroso-Di-n-Propylamin	e64000	Ū.
67-72-1Hexachloroethane	64000	U
98-95-3Nitrobenzene	64000	U
78-59-1Isophorone	64000	U
88-75-52-Nitrophenol	64000	U
105-67-92,4-Dimethylphenol	64000	U
65-85-0Benzoic Acid	310000	U
111-91-1bis(2-Chloroethoxy) Methan	e 64000	U
120-83-22,4-Dichlorophenol	64000	U
120-82-11,2,4-Trichlorobenzene	64000	U
91-20-3Naphthalene	64000	U
106-47-84-Chloroaniline	64000	U
87-68-3Hexachlorobutadiene	64000	U
59-50-74-Chloro-3-Methylphenol_	64000	U
91-57-62-Methylnaphthalene	64000	U
77-47-4Hexachlorocyclopentadiene	64000	U
88-06-22,4,6-Trichlorophenol	64000	U
95-95-42,4,5-Trichlorophenol	310000	ט
91-58-72-Chloronaphthalene	64000	บ
88-74-42-Nitroaniline	310000	Ū
		Ū
131-11-3Dimethyl Phthalate	64000	Ϊ́υ
208-96-8Acenaphthylene	64000	Ü
606-20-22,6-Dinitrotoluene		.

WAB303

ab Name: WEYERHAEUSER Method: 8270

ab Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

atrix: (soil/water) SOIL Lab Sample ID: 76300

ample wt/vol: 1.4 (g/mL) G Lab File ID: 2BN10820A

evel: (low/med) MED Date Received: 08/15/91

Moisture: not dec. 11 dec. Date Extracted: 08/19/91

ktraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 4.0

CAS NO. COMPOUND CONCENTRATION UNITS:

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

CAS NO.	COMPOUND (ug	g/L or ug/kg)	UG/KG	Q	
	o with a milimo		310000	U	1
	3-Nitroaniline	<del></del>	64000	lΰ	ı
83-32-9	Acenaphthene	<del></del>	310000	۱ŭ	- 1
51-28-5	2,4-Dinitrophenol	· · · · · · · · · · · · · · · · · · ·	310000	lΰ	ŀ
100-02-7	4-Nitrophenol		64000	Ü	ŀ
132-64-9	Dibenzofuran		64000	Ü	
121-14-2	2,4-Dinitrotoluene_	<del></del>	64000	ϋ	
84-66-2	Diethylphthalate	1 - 4 1	64000	١ŏ	
7005-72-3	4-Chlorophenyl-pheny	Letner	64000	Ü	ı
86-73-7	Fluorene		· ·	Ü	1
100-01-6	4-Nitroaniline		310000	Ü	
534-52-1	4,6-Dinitro-2-Methyl	phenol	310000	ប្រ	- 1
86-30-6	N-Nitrosodiphenylami	ne (1)	64000	1 -	- 1
101-55-3	4-Bromophenyl-phenyl	ether	64000	U	
	Hexachlorobenzene		64000	ប្	
	Pentachlorophenol		190000	J	
85-01-8	Phenanthrene		64000	U	- 1
120-12-7	Anthracene		64000	U	۱
84-74-2	Di-n-Butylphthalate_		64000	U	1
206-44-0	Fluoranthene		64000	U	
129-00-0	Pyrene	l l	64000	U	
85-68-7	Butylbenzylphthalate		64000	U	ļ
91-94-1	3,3'-Dichlorobenzidi	ne	130000	U	
56-55-3	Benzo (a) Anthracene		64000	Ü	
218-01-9	Chrysene	·	64000	U	
117-01-7	bis(2-Ethylhexyl)pht	halate	64000	U	
117-01-7	Di-n-Octyl Phthalate		64000	U	
	Benzo(b) Fluoranthene		64000	U	
203-33-2	Benzo(k) Fluoranthene		64000	υ .	
E0-20-0-9	Benzo(a) Pyrene		64000	ี บ <i>ี</i>	
102 20-5	Indeno(1,2,3-cd)Pyre	ne	64000	U	
TA3-3A-2	Dibenz(a,h)Anthracen	<u></u>	64000	Ū	
53-70-3	Panga (a, h, i) Ponga (a	~ <del></del>	64000	Ū	
	Benzo(g,h,i)Perylene			_	
(1) - Cannot	he congrated from Dipheny	lamine			

**1F** 

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

WAB303

ab Name: WEYERHAEUSER

Method: 8270

ab de: WEYER

Case No.: 06483 SAS No.:

SDG No.: 76298

atrix: (soil/water) SOIL

76300 Lab Sample ID:

ample wt/vol:

Lab File ID:

2BN10820A

1.4 (g/mL) G

avel:

(low/med) MED Date Received:

08/15/91

Moisture: not dec.

imber TICs found:

11 dec. Date Extracted: 08/19/91

ttraction:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 08/20/91

Cleanup: (Y/N) N

pH:

COMPOUND NAME

Dilution Factor: 4.0

CONCENTRATION UNITS:

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

CAS NUMBER

RТ

EST. CONC.

WAB304

o Name: WEYERHAEUSER Method: 8270

o Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

trix: (soil/water) SOIL Lab Sample ID: 76301

mple wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10820B

vel: (low/med) MED Date Received: 08/15/91

Moisture: not dec. 13 dec. Date Extracted: 08/19/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

C Cleanup: (Y/N) N pH: Dilution Factor: 1.00

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

CAS NO.	COMPOUND (ug/L or ug/	rig) od/ild	×
1		1	1
108-95-2	Phenol	13000	ט
111-44-4	bis(2-Chloroethyl)Ether	13000	U
95-57-8	2-Chlorophenol	13000	ប
541-73-1	1,3-Dichlorobenzene	13000	U
106-46-7	1,3-Dichlorobenzene	13000	U
100-51-6	Benzyl Alcohol	13000	U
95-50-1	Benzyl Alcohol	13000	U
95-48-7	2-Methylphenol	13000	U
108-60-1	2-Methylphenol bis(2-Chloroisopropyl)Ether	13000	ַ ע .
106-44-5	4-Methvlphenol	13000	U
621-64-7	N-Nitroso-Di-n-Propylamine	13000	U
67-72-1	Hexachloroethane	13000	U
98-95-3	Nitrobenzene	13000	ן ט
	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	ប
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	ļυ
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	
95-95-4	2,4,5-Trichlorophenol	14000	J
91-58-7	2-Chloronaphthalene	13000	ַטן
	2-Nitroaniline	65000	ט
	Dimethyl Phthalate	13000	U
	Acenaphthylene	13000	ע
	2,6-Dinitrotoluene	13000	ן ט
			_

**WAB304** 

CONCENTRATION UNITS:

Method: 8270 \*b Name: WEYERHAEUSER

SDG No.: 76298 SAS No.: Case No.: 06483 ab code: WEYER

76301 Lab Sample ID: atrix: (soil/water) SOIL

Lab File ID: 2BN10820B ample wt/vol: 1.7 (g/mL) G

08/15/91 Date Received: (low/med) MED gvel:

Date Extracted: 08/19/91 Moisture: not dec. dec. 13

Date Analyzed: 08/20/91 SONC (SepF/Cont/Sonc) xtraction:

Dilution Factor: 1.00 pH: PC Cleanup:

(Y/N) N

(ug/L or ug/Kg) UG/KG Q COMPOUND CAS NO. 65000 U 99-09-2----3-Nitroaniline 13000 U 83-32-9-----Acenaphthene U 65000 51-28-5----2,4-Dinitrophenol\_ U 65000 100-02-7----4-Nitrophenol 13000 U 132-64-9-----Dibenzofuran 13000 U 121-14-2----2,4-Dinitrotoluene\_ U 84-66-2----Diethylphthalate 13000 U 7005-72-3----4-Chlorophenyl-phenylether 13000 IJ 13000 86-73-7----Fluorene U 65000 100-01-6----4-Nitroaniline U 65000 534-52-1----4,6-Dinitro-2-Methylphenol U 13000 86-30-6----N-Nitrosodiphenylamine (1)\_ U 101-55-3----4-Bromophenyl-phenylether 13000 U 13000 118-74-1-----Hexachlorobenzene\_ 670000 E 87-86-5-----Pentachlorophenol\_ 13000 U 85-01-8-----Phenanthrene\_ 13000 U 120-12-7----Anthracene 84-74-2----Di-n-Butylphthalate 13000 U 13000 U 206-44-0----Fluoranthene 13000 U 129-00-0-----Pyrene U 85-68-7-----Butylbenzylphthalate 13000 U 27000 91-94-1----3,3'-Dichlorobenzidine\_ U 13000 56-55-3----Benzo(a)Anthracene\_ U 13000 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)phthalate\_ 13000 IJ 13000 117-84-0-----Di-n-Octyl Phthalate\_ U 13000 205-99-2----Benzo(b) Fluoranthene\_ 13000 U 207-08-9----Benzo(k)Fluoranthene U 13000 50-32-8----Benzo(a) Pyrene U 193-39-5----Indeno(1,2,3-cd)Pyrene 13000 U 13000 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_ U 13000 191-24-2----Benzo(g,h,i)Perylene\_

(1) - Cannot be separated from Diphenylamine

'SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**WAB304** 

b Name: WEYERHAEUSER

Method: 8270

b Code: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

trix: (soil/water) SOIL

Lab Sample ID:

76301

mple wt/vol: 1.7 (g/mL) G

Lab File ID:

2BN10820B

vel: (low/med) MED

Date Received:

08/15/91

Moisture: not dec. 13

dec.

Date Extracted: 08/19/91

traction: (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

mber TICs found:

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 609-19-8 2. 58-90-2 3. 3268-87-9	PHENOL, 3,4,5-TRICHLORO- PHENOL, 2,3,4,6-TETRACHLORO- DIBENZO[B,E][1,4]DIOXIN, OCT			JX JX

WAB304DL

SDG No.: 76298

b Mame: WEYERHAEUSER Method: 8270

Case No.: 06483 SAS No.:

b Code: WEYER Case No.: 06483 SAS No.: SDG No.: 762

trix: (soil/water) SOIL Lab Sample ID: 76301DL

mple wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10820C

wel: (low/med) MED Date Received: 08/15/91

Moisture: not dec. 13 dec. Date Extracted: 08/19/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

°C Cleanup: (Y/N) N pH: Dilution Factor: 8.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
[		1	110000	U
108-95-2	Phenol		110000	ซ
111-44-4	bis(2-Chloroe	thyl)Ether	110000	ן ט
L AC E7-0	2-Chlarapheno	l	110000	ט ט
5/1-73-1	1.3-Dichlorob	enzene	110000 110000	Ü
106-46-7	1,4-Dichlorop	enzene	110000	บ
100 51 6	Bonzyl Alcoho	L l	110000	lö
1 95-50-1	1,2-Dichlorob	enzene	110000	lö l
05 40 7		<u> </u>	110000	าชั้
108-60-1	bis(2-Chloro1	sopropyr) rener	110000	U
1 200 44 5	/_Mothy!nheno	1 1	110000	ן מ
621-64-7	N-Nitroso-Dl-	U-brobaramine	110000	ا ق
67-72-1	Hexachloroetn	ane	110000	Ü
98-95-3	Nitrobenzene_		110000	lΰ
78-59-1	Isophorone		110000	١٠
1 00-75-5	2-Nitrophenol		110000	lö l
105-67-9	2.4-Dimetnyip	henol	520000	lö l
1 CC OC O	Bongold AC10	_1	110000	ا تا
111-91-1	bis(2-Chloro∈	thoxy) Methane	110000	lü l
120-83-2	2.4-Dichlorop	nenor	110000	١
120-82-1	1,2,4-Trichle	robenzene	110000	lö l
91-20-3	Naphthalene_		110000	l <del>ŭ</del> l
106-47-8	4-Chloroanıı	ne	110000	lŭ l
07-60-3	Hexachlorobut	adiene	110000	Ü
59-50-7	4-Chloro-3-Me	thylpnenor	110000	l <del>ŭ</del>
1 01-57-6	2-Methvlnapht	halene	110000	Ü
77-47-4	Hexachlorocy	clopentadiene	110000	lö l
99-06-2	2.4.6-Trichlo	propnenoi	520000	Ü
05-05-4	2	prophenoi		ا تا
91-58-7	2-Chloronaph	chalene	110000	บ
00-71-1	2-Nitroanili	ne	520000	Ü
131-11-3	Dimethyl Pht	nalate	110000	ט
208-96-8	Acenaphthyle:	ne	110000	U
606-20-2	2,6-Dinitrot	oluene	110000	
				I I

WAB304DL

b Name: WEYERHAEUSER Method: 8270

b Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

trix: (soil/water) SOIL Lab Sample ID: 76301DL

mple wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10820C

vel: (low/med) MED Date Received: 08/15/91

Moisture: not dec. 13 dec. Date Extracted: 08/19/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

C Cleanup: (Y/N) N pH: Dilution Factor: 8.0

CAS NO.	COMPOUND		TRATION U or ug/Kg)		Q
99-09-2	3-Nitroaniline			520000	ט
83-32-9	Acenaphthene			110000	U
51-28-5	2,4-Dinitrophe	nol		520000	ט
100-02-7	4-Nitrophenol	<del>*************************************</del>		520000	י טן
132-64-9	Dibenzofuran			110000	ט
121-14-2	2,4-Dinitrotol Diethylphthala	uene		110000	ט
84-66-2	Diethylphthala	te		110000	ש
7005-72-3	4-Chlorophenyl	-phenyleth	ier	110000	ប
86-73-7	Fluorene			110000	ט
	4-Nitroaniline	, , ,		520000	ט
534-52-1	4,6-Dinitro-2-	Methylphen	ol	520000	ט
86-30-6	N-Nitrosodiphe	nylamine (	[1]	110000	U
101-55-3	4-Bromophenyl-	phenylethe	r	110000	U
118-74-1	Hexachlorobenz	ene	[	110000	U
87-86-5	Pentachlorophe	nol		680000	D
85-01-8	Phenanthrene			110000	U
	Anthracene			110000	U
84-74-2	Di-n-Butylphth	alate		110000	U
206-44-0	Fluoranthene			110000	U
129-00-0	Pyrene			110000	ប
85-68-7	Butylbenzylpht	halate		110000	ប
91-94-1	3,3'-Dichlorob	enzidine		210000	υ
56-55-3	Benzo(a)Anthra	cene		110000	σ
	Chrysene			110000	U
117-81-7	bis(2-Ethylhex	yl)phthala	te	110000	ប
117-84-0	Di-n-Octyl Pht	halate		110000	U
205-99-2	Benzo(b)Fluora	nthene		110000	ับ
207-08-9	Benzo(k)Fluora	nthene		110000	บ
50-32-8	Benzo(a)Pyrene	<del>,</del>	•	110000	ប
193-39-5	Indeno(1,2,3-c	d) Pyrene		110000	ַ ט
53-70-3	Dibenz(a,h)Ant	hracene		110000	U
191-24-2	Benzo(g,h,i)Pe	rylene		110000	U
(1) - Cannot b	e separated from D	inhanulami	no		_ I <del></del>

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB304DL

ab Name: WEYERHAEUSER

Method: 8270

EPA SAMPLE NO.

ab Code: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

atrix: (soil/water) SOIL

Lab Sample ID: 76301DL

ample wt/vol:

1.7 (g/mL) G

La**b** F**ile** ID:

2BN10820C

evel: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 13

dec.

Date Extracted: 08/19/91

xtraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 8.0

CONCENTRATION UNITS:

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

umber TICs found:

CAS NUMBER

COMPOUND NAME	RT	EST. CONC.	Q
			2555

Method: 8270 b Name: WEYERHAEUSER

**WAB305** 

Moisture: not dec.

b Code: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

trix: (soil/water) SOIL

76302 Lab Sample ID:

mple wt/vol:

1.7 (g/mL) G Lab File ID:

2BN10815E

Date Received:

vel: (low/med) MED

08/15/91

traction: (SepF/Cont/Sonc)

45

SONC

Date Extracted: 08/15/91 Date Analyzed: 08/15/91

C Cleanup: (Y/N) N

pH:

dec.

5.5

Dilution Factor: 1.00

CONCENTRATION UNITS:

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

100 05 0	Then al	21000	ט
108-95-2	bis(2-Chloroethyl)Ether	21000	ľΰ
05 57 0		21000	U
99-9/-8	2-Chlorophenol	21000	Ü
106-46-7	1,4-Dichlorobenzene	21000	U
	Benzyl Alcohol	21000	Ū
05-50-1	1,2-Dichlorobenzene	21000	ี่บิ
95-50-1	2-Methylphenol	21000	ซ
109-60-1	bis(2-Chloroisopropyl)Ether	21000	υ
106-44-5	4-Methylphenol	21000	U -
601-64-7	N-Nitroso-Di-n-Propylamine	21000	שׁן
67-72-1	Hexachloroethane	21000	ט
	Nitrobenzene	21000	υ
	Isophorone	21000	שׁן
	2-Nitrophenol	21000	שׁ
105-67-9	2,4-Dimethylphenol	21000	ט
65-85-0	Benzoic Acid	100000	บ
111-01-1	bis(2-Chloroethoxy)Methane	21000	ן ט י
120-83-2	2,4-Dichlorophenol	21000	שׁ
120 03 2	1,2,4-Trichlorobenzene	21000	שׁ
91-20-32	Naphthalene	21000	ש
	4-Chloroaniline	21000	שׁוֹ
	Hexachlorobutadiene	21000	ש
59-50-7	4-Chloro-3-Methylphenol	21000	ט
91-57-6	2-Methylnaphthalene	21000	σ
77-47-4	Hexachlorocyclopentadiene	21000	ט
88-06-2	2,4,6-Trichlorophenol	21000	U
95-95-4	2,4,5-Trichlorophenol	63000	J
91-58-7	2-Chloronaphthalene	21000	ļυ
	2-Nitroaniline	100000	σ
	Dimethyl Phthalate	21000	υ
	Acenaphthylene	21000	σ
	2,6-Dinitrotoluene	21000	U
			_

**WAB305** 

ab Name: WEYERHAEUSER

SDG No.: 76298 Case No.: 06483 SAS No.: ab code: WEYER

Method: 8270

Lab Sample ID: 76302 atrix: (soil/water) SOIL

Lab File ID: 2BN10815E 1.7 (g/mL) G ample wt/vol:

Date Received: 08/15/91 evel: (low/med) MED

Date Extracted: 08/15/91 Moisture: not dec. 45 dec.

Date Analyzed: 08/15/91 xtraction: (SepF/Cont/Sonc) SONC

Dilution Factor: 1.00 5.5 pH: PC Cleanup: (Y/N) N

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

CAS NO.	COMPOUND (agy if of ag	g/ 1.g/ 0.c/ 1.c	34
			1
99-09-2	3-Nitroaniline	100000	ĮŪ
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	[ซ
121-14-2	2,4-Dinitrotoluene	_  21000	U
84-66-2	Diethylphthalate	_  21000	ប
7005-72-3	4-Chlorophenyl-phenylether	_  21000	שׁ
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	1300,000	E
	Phenanthrene	21000	T
120-12-7	Anthracene	21000	U
84-74-2	Di-n-Butylphthalate	21000	บ
206-44-0	Fluoranthene	_  21000	U
129-00-0	Pvrene	21000	ַד
85-68-7	Butylbenzylphthalate	21000	U
91-94-1	3,3'-Dichlorobenzidine	42000	U
56-55-3	Benzo(a) Anthracene	21000	ប
218-01-9	Chrysene	21000	บ
117-81-7	bis(2-Ethylhexyl)phthalate	_  21000	U
117-84-0	Di-n-Octyl Phthalate	_  21000	บ
205-99-2	Benzo(b)Fluoranthene	21000	U
207-08-9	Benzo(k) Fluoranthene	21000	U
	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
	Benzo(g,h,i)Perylene	21000	Ū
	from Dinhonylamino		_

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB305

) Name: WEYERHAEUSER

Method: 8270

Code: WEYER

Case No.: 06483 SAS No.:

SDG No.: 76298

:rix: (soil/water) SOIL

Lab Sample ID:

76302

nple wt/vol:

1.7 (g/mL) G

Lab File ID:

2BN10815E

rel:

(low/med) MED

Date Received:

08/15/91

Moisture: not dec. 45

dec.

Date Extracted: 08/15/91

raction:

(SepF/Cont/Sonc) SONC

Date Analyzed: 08/15/91

Cleanup: (Y/N) N

pH:

Dilution Factor: 1.00

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

nber 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	

5.5

#### 1B

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB305RE

SDG No.: 76298

ab Mame: WEYERHAEUSER Method: 8270

ab Code: WEYER Case No.: 06483 SAS No.:

trix: (soil/water) SOIL Lab Sample ID: 76302RE

mple wt/vol: 1.7 (g/mL) G Lab File ID: 2BN10815K

ovel: (low/med) MED Date Received: 08/15/91

Moisture: not dec. 45 dec. Date Extracted: 08/15/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/16/91

PC Cleanup: (Y/N) N pH: 5.5 Dilution Factor: 4.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	Q 
	Dhamal .		. **	85000	U
108-95-2	bis(2-Chloroet	hyll Ether		85000	U
111-44-4	o ckleadana	ITY I / II CITCL		85000	lu l
95-57-8	2-Chlorophenol	nzono		85000	U
541-73-1	1,3-Dichlorobe	nzene		85000	ט
106-46-7	1,4-DICHIOLODE		<del></del>	85000	ן טן
100-51-6	Benzyl Alcohol 1,2-Dichlorobe	nzone	}	85000	ט ו
95-50-1	I,Z-DICHIOLOD			85000	U
95-48-7	2-Methylphenol	corrory] ) Ethe	<del>r</del>	85000	ן מ
108-60-1	bis(2-Chlorois	oprobži) neme	<b>~</b>	85000	U
106-44-5	4-Methylpheno	amine	<del></del>	85000	ן ט
621-64-7	N-Nitroso-Di-	T-5TODA remitie	<b>~</b>	85000	שׁ ו
1 67-72 <del>-</del> 1	Hexachioroech		<del></del>	85000	<b>ט</b>
98-95-3			<del></del>	85000	Ū
78-59-1	Isophorone		<del></del> !	85000	<del> </del>
88-75-5	2-Nitrophenol		<del></del>	85000	lŭ l
105-67-9	2,4-Dimethylp	uenor		410000	lŭ l
65-85-0	Benzoic Acid_	( )\ 35 - 4-h mm		85000	υ
111-91-1	bis(2-Chloroe	thoxy) Methane		85000	υ
120-83-2	2.4-Dichlorop	nenoi	1	85000	U
120-82-1	1,2,4-Trichlo	robenzene	<b></b> }	85000 85000	ן מ
91-20-3	Naphthalene			85000	ן ט
106-47-8	4-Chloroanili	ne		85000	ן ט
87-68-3	Hexachlorobut	adiene	<u>_</u>	85000 85000	ן ט
59-50-7	4-Chloro-3-Me	thylphenol			ן מ
01-57-6	2-Methylnapht	halene	1	85000	Ü
77-47-4	Hexachlorocyc	lopentadiene	i	85000	
88-06-2	2,4,6-Trichlo	rophenol	<u>-</u> !	85000	טַ
05-05-4	2.4.5-Trichlo	rophenol		41000	J
91-58-7	2-Chloronapht	halene		85000	U
88-74-4	2-Nitroanilin	e		410000	ן ט
131-11-3	Dimethyl Phth	alate		85000	Ü
208-96-8	Acenaphthylen	e		85000	U
606-20-2	2,6-Dinitroto	luene		85000	ן ש
	•				_11

WAB305RE

b Name: WEYERHAEUSER

Method: 8270

b Code: WEYER

Case No.: 06483 SAS No.:

SDG No.: 76298

trix: (soil/water) SOIL

Lab Sample ID: 76302RE

mple wt/vol:

1.7 (g/mL) G

Lab File ID:

2BN10815K

(low/med) MED

Date Received:

08/15/91

Moisture: not dec. 45

vel:

Date Extracted: 08/15/91

traction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/16/91

C Cleanup: (Y/N) N

pH:

dec.

5.5

Dilution Factor: 4.0

CONCENTRATION UNITS:

COMPOUND CAS NO.

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

Q

	3-Nitroaniline	410000	ប
83-32-9	Acenaphthene	85000	ប
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	ប
7005-72-3	4-Chlorophenyl-phenylether	85000	U
86-73-7	Fluorene	85000	U
	4-Nitroaniline	410000	U
534-52-1	4,6-Dinitro-2-Methylphenol	410000	ប
86-30-6	N-Nitrosodiphenylamine (1)	85000	ប
101-55-3	4-Bromophenyl-phenylether	85000	ប
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
	Fluoranthene	85000	U
129-00-0	Pyrene	85000	U
85-68-7	Butylbenzylphthalate	85000	U
91-94-1	3,3'-Dichlorobenzidine	170000	U
	Benzo(a)Anthracene	85000	U
218-01-9	Chrysene	85000	บ
117-81-7	bis(2-Ethylhexyl)phthalate	85000	ប
117-84-0	Di-n-Octyl Phthalate	85000	ซ
	Benzo(b) Fluoranthene	85000	ប
207-08-9	Benzo(k) Fluoranthene	85000	ប
50-32-8	Benzo(a) Pyrene	85000	ប
	Indeno(1,2,3-cd)Pyrene	85000	ប
	Dibenz (a, h) Anthracene	85000	ן ט
	Benzo(g,h,i) Perylene	85000	U

1 F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB305RE

ab Name: WEYERHAEUSER

Method: 8270

ab code: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

atrix: (soil/water) SOIL

Lab Sample ID: 76302RE

ample wt/vol:

1.7 (g/mL) G

Lab File ID:

2BN10815K

evel: (low/med) MED

Date Received: 08/15/91

Moisture: not dec. 45 dec.

Date Extracted: 08/15/91

xtraction: (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

umber TICs found:

CAS NUMBER

COMPOUND NAME RTEST. CONC.

Method: 8270 b Name: WEYERHAEUSER

mple wt/vol:

WAB306

b Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

Lab Sample ID: 76303 trix: (soil/water) SOIL

> Lab File ID: BN10815F 1.3 (g/mL) G

Date Received: 08/15/91 vel: (low/med) MED

Date Extracted: 08/15/91 Moisture: not dec. 59 dec.

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/91

5.7 Dilution Factor: 1.00 pH: C Cleanup: (Y/N) N CONCENTRATION UNITS:

CAS NO.	СОЙЬОПИО	(ug/L or	ug/Kg)	UG/KG	Q	
108-95-2 111-44-4 95-57-8 541-73-1 106-46-7 100-51-6 95-50-1 95-48-7 108-60-1 106-44-5 621-64-7 98-95-3 78-59-1 155-67-9 111-91-1 120-83-2 1106-47-8 1106-47-8 1106-47-8 1106-47-8 110-91-1 110-91-1	Phenolbis(2-Chloroethy)2-Chlorophenol1,3-Dichlorobenze1,4-DichlorobenzeBenzyl Alcohol1,2-Dichlorobenze2-Methylphenolbis(2-Chloroisop:4-MethylphenolNitroso-Di-n-P:HexachloroethaneNitrobenzeneIsophorone2,4-Dimethylphenol2,4-DimethylphenBenzoic Acidbis(2-Chloroetho2,4-Dichlorophen1,2,4-Trichlorob1,2,4-Trichlorob	ene_ene_ene_ene_ene_ene_ene_ene_ene_ene	r	37000 37000	ממממממממממממממממממממ	
95-95-4 91-58-7 88-74-4 131-11-3	2,4,6-Trichlorop 2,4,5-Trichlorop 2-Chloronaphthal 2-Nitroaniline Dimethyl Phthala Acenaphthylene 2,6-Dinitrotolue	ene			บ บ บ บ	

Method: 8270 ab Mame: WEYERHAEUSER

**WAB306** 

ab Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

atrix: (soil/water) SOIL

Lab Sample ID: 76303

1.3 (g/mL) G

Lab File ID:

BN10815F

evel:

ample wt/vol:

(low/med) MED

Date Received: 08/15/91

Moisture: not dec.

59

dec.

Date Extracted: 08/15/91

xtraction:

(SepF/Cont/Sonc)

SONC

5.7

Date Analyzed: 08/15/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.00

CONCENTRATION UNITS:

CAS NO.

COMPOUND

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

Q

	300000	τυ
99-09-23-Nitroaniline	180000	ln l
83-32-9Acenaphthene	37000	Ü
51-28-52,4-Dinitrophenol	180000	-
100-02-74-Nitrophenol	180000	U U
132-64-9Dibenzofuran	37000	1 -
121-14-22,4-Dinitrotoluene	37000	ប្
84-66-2Diethylphthalate	37000	<u>π</u>
7005-72-34-Chlorophenyl-phenylether	37000	<u>π</u>
86-73-7Fluorene	37000	U
100-01-64-Nitroaniline	180000	ŭ
534-52-14,6-Dinitro-2-Methylphenol	180000	ט
$\mid$ 86-30-6N-Nitrosodiphenylamine (1)	37000	Ü
101-55-34-Bromophenyl-phenylether	37000	שַ
118-74-1Hexachlorobenzene	37000	U
87-86-5Pentachlorophenol	4500000	E
85-01-8Phenanthrene	37000	שן
120-12-7Anthracene	37000	υ
84-74-2Di-n-Butylphthalate	37000	ט[
206-44-0Fluoranthene	37000	ប
120-00-0	37000	ľα
85-68-7Butylbenzylphthalate	37000	ט
91-94-13,3'-Dichlorobenzidine	74000	שׁן
56-55-3Benzo(a) Anthracene	37000	ט
218-01-9Chrysene	37000	Įΰ
117-81-7bis(2-Ethylhexyl)phthalate	37000	ט
117-84-0Di-n-Octyl Phthalate	37000	ប
205-99-2Benzo(b) Fluoranthene	37000	U
207-08-9Benzo(k)Fluoranthene	37000	U
50-32-8Benzo(a) Pyrene	37000	שׁ
193-39-5Indeno(1,2,3-cd)Pyrene	37000	υ
53-70-3Dibenz(a,h)Anthracene	37000	U
191-24-2Benzo(g,h,i)Perylene	3 <b>700</b> 0	σ
		_{_

1.F

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB306

o Name: WEYERHAEUSER

Method: 8270

o Code: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

76303

trix: (soil/water) SOIL

(g/mL) G 1.3

Lab File ID:

Lab Sample ID:

BN10815F

mple wt/vol:

vel:

(low/med) MED

Date Received:

08/15/91

Moisture: not dec.

59

SONC

Date Extracted: 08/15/91 08/15/91 Date Analyzed:

traction:

(SepF/Cont/Sonc)

C Cleanup: (Y/N) N

5.7 pH:

dec.

Dilution Factor: 1.00

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

mber TICs found:

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 108-43-0 2. 591-35-5 3. 58-90-2 4. 5. 6. 3268-87-9	PHENOL, 3-CHLORO- PHENOL, 3,5-DICHLORO- PHENOL, 2,3,4,6-TETRACHLORO- UNKNOWN UNKNOWN DIBENZO[B,E][1,4]DIOXIN, OCT	12.29 16.20 18.57 32.92 33.24 36.71	22000 19000 950000 36000 34000 40000	JX JX JX JX

### **1B**

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB306RE

Method: 8270 ab wame: WEYERHAEUSER

SAS No.: SDG No.: 76298 Case No.: 06483 ab code: WEYER

Lab Sample ID: 76303RE atrix: (soil/water) SOIL

Lab File ID: 2BN10815J 1.3 (g/mL) G ample wt/vol:

Date Received: 08/15/91 avel: (low/med) MED

Date Extracted: 08/15/91 dec. Moisture: not dec. 59

Date Analyzed: 08/16/91 (SepF/Cont/Sonc) SONC xtraction:

Dilution Factor: 16 5.7 pH: PC Cleanup: (Y/N) N

CONCENTRATION UNITS:

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

08-95-2Phenol	590000	U
11-44-4bis(2-Chloroethyl)Ether	590000	บั
95-57-82-Chlorophenol	590000	บั
	590000	บ
341-73-11,3-Dichlorobenzene	590000	บั
.06-46-71,4-Dichlorobenzene	590000	Ü
5-50-11,2-Dichlorobenzene	590000	บั
5-48-72-Methylphenol	590000	ซื
08-60-1bis(2-Chloroisopropyl)Ether_	590000	ซี
06-44-54-Methylphenol	590000	ϋ
21-64-7N-Nitroso-Di-n-Propylamine	590000	บั
7-72-1Hexachloroethane	590000	lΰ
8-95-3Nitrobenzene	590000	บั
	590000	υ
8-59-1Isophorone	590000	U
8-75-52-Nitrophenol05-67-92,4-Dimethylphenol	590000	บ
05-67-92,4-pimethyiphenoi	2900000	บี
5-85-0Benzoic Acid	590000	บั
11-91-1bis(2-Chloroethoxy) Methane	590000	บ
20-83-22,4-Dichlorophenol	590000	Ü
20-82-11,2,4-Trichlorobenzene	590000	ր
1-20-3Naphthalene	590000	บ็
06-47-84-Chloroaniline	590000	ប្រ
7-68-3Hexachlorobutadiene	590000	Ü
9-50-74-Chloro-3-Methylphenol	590000	U
1-57-62-Methylnaphthalene	590000	ប្រ
7-47-4Hexachlorocyclopentadiene		l n
88-06-22,4,6-Trichlorophenol	590000	J
5-95-42,4,5-Trichlorophenol	140000	lii
1-58-72-Chloronaphthalene	590000	U U
8-74-42-Nitroaniline	2900000	l <sup>n</sup>
31-11-3Dimethyl Phthalate	590000	Ü
208-96-8Acenaphthylene	590000	1 -
506-20-22,6-Dinitrotoluene	590000	U

WAB306RE

Method: 8270 Name: WEYERHAEUSER

SDG No.: 76298 SAS No.: Case No.: 06483 Code: WEYER

76303RE Lab Sample ID: :rix: (soil/water) SOIL

2BN10815J Lab File ID: (q/mL) G 1.3 uple wt/vol:

08/15/91 Date Received: MED

(low/med) vel:

Date Extracted: 08/15/91 dec. 59 Moisture: not dec.

08/16/91 Date Analyzed: SONC (SepF/Cont/Sonc) traction:

Dilution Factor: 16 5.7 pH: (Y/N) N C Cleanup:

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

2900000 U 99-09-2----3-Nitroaniline\_ U 590000 83-32-9-----Acenaphthene U 2900000 51-28-5----2,4-Dinitrophenol\_ U 2900000 100-02-7----4-Nitrophenol 590000 U 132-64-9-----Dibenzofuran U 590000 121-14-2----2,4-Dinitrotoluene U 590000 84-66-2----Diethylphthalate 590000 U 7005-72-3----4-Chlorophenyl-phenylether\_ U 590000 86-73-7-----Fluorene U 2900000 100-01-6-----4-Nitroaniline U 2900000 534-52-1----4,6-Dinitro-2-Methylphenol U 86-30-6----N-Nitrosodiphenylamine (1) 590000 U 590000 101-55-3----4-Bromophenyl-phenylether\_ U 590000 118-74-1-----Hexachlorobenzene\_ 8200000 87-86-5-----Pentachlorophenol\_ U 590000 85-01-8-----Phenanthrene U 590000 120-12-7-----Anthracene U 590000 84-74-2-----Di-n-Butylphthalate\_ U 590000 206-44-0----Fluoranthene\_ U 590000 129-00-0-----Pyrene 590000 U 85-68-7-----Butylbenzylphthalate U 91-94-1----3,3'-Dichlorobenzidine\_ 1200000 U 590000 56-55-3-----Benzo (a) Anthracene\_ U 590000 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)phthalate\_ 590000 U 590000 117-84-0-----Di-n-Octyl Phthalate U 590000 205-99-2----Benzo(b) Fluoranthene U 590000 207-08-9----Benzo(k)Fluoranthene Ų 590000 50-32-8-----Benzo (a) Pyrene 590000 U 193-39-5----Indeno(1,2,3-cd)Pyrene\_ U 590000 53-70-3-----Dibenz(a,h)Anthracene\_\_ U 59000**0** 191-24-2----Benzo(g,h,i)Perylene\_

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB306RE

'ame: WEYERHAEUSER

Method: 8270

Case No.: 06483 SAS No.:

SDG No.: 76298

atrix: (soil/water) SOIL

Lab Sample ID: 76303RE

\*mple wt/vol:

b Code: WEYER

(g/mL) G 1.3

Lab File ID:

2BN10815J

avel:

(low/med) MED Date Received: 08/15/91

Moisture: not dec.

dec.

Date Extracted: 08/15/91

xtraction:

(SepF/Cont/Sonc) SONC

59

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

umber TICs found:

CAS NUMBER

COMPOUND NAME

RTEST. CONC.

Name: WEYERHAEUSER

SERI VOLATILE ORGANIOS INIELOZO SILLI GILLE

WAB307F

Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

rix: (soil/water) WATER Lab Sample ID: 76304

uple wt/vol: 900 (g/mL) ML Lab File ID: 2BN10819A

Method: 8270

rel: (low/med) LOW Date Received: 08/15/91

Noisture: not dec. dec. Date Extracted: 08/16/91

raction: (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 Q

CAS NO.	COMPOUND	(ug/L or	ug/kg)	OG/ L	Q	
		•	†			1
108-95-2	Phenol			8	J	1
111-44-4	bis(2-Chloroe	thyl)Ether		11	U	
95-57-8	2-Chloropheno.	L		11	U	
541-73-1	1.3-Dichlorob	enzene		11	ַט	
106-46-7	1.4-Dichlorob	enzene		11	U .	
100-51-6	1,3-Dichlorob 1,4-Dichlorob Benzyl Alcoho	l ————————————————————————————————————		11	U	
95-50-1	1,2-Dichlorob	enzene		11	U	
				11	U	
100-60-1	2-Methylpheno bis(2-Chloroi	sopropyl) Ethe	r	11	U	1
106-44-5	4-Methylpheno	1.		3	J	1
621-64-7	N-Nitroso-Di-	n-Propylamine		11	U	
67-72-1	Hexachloroeth	ane	<del></del>	11	U	1
07-72-1	Nitrobenzene_			11	Ŭ	
70-50-1	Isophorone			11	U	ŀ
00-75-5	2-Nitrophenol			11	U	
105-67-0	2,4-Dimethylp	henol		11	U	-
65-05-A	Bonzoic Acid		1	56	U	
111-01-1	bis(2-Chloroe	thoxy)Methane		. 11	U	
111-91-1	2,4-Dichlorop	henol		17		
120-03-2	1,2,4-Trichlo	robenzene		11	U	ı
120-02-1	Naphthalene_		<del></del>	11	U	ı
306 47 0	4-Chloroanili	ne	<del></del>	11	U	
106-47-8	Hexachlorobut	adiene	<del></del>	11	U	
87-68-3	4-Chloro-3-Me	thylphenol	<del></del>	11	U	1
59-50-7	2-Methylnapht	halene	<del></del>	11	U	1
91-57-6	Hexachlorocyc	lopentadiene	<del></del>	11	U	
//-4/-4	ofderan-a A c-maidhle	ropentationo_	<del></del>	11	ប	
88-06-2	2,4,6-Trichlo	rophenol	<b></b>	570	E	1
95-95-4	2,4,5-Trichlo	halono		11	Ū	ı
91-58-7	a witeconiling	narene	<del></del>	56	Ū	
88-74-4	2-Nitroanilin	alato	<del></del>	11	Ū	
131-11-3	Dimethyl Phth	arace	]	11	Ū	
208-96-8	Acenaphthylen	luono	<del></del>	11	Ιŭ	
606-20-2	2,6-Dinitroto	Tuelle	<del></del>	<b>-</b>		
			1		- 1	<b>-</b> ۱

1C

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB307F

ab Name: WEYERHAEUSER Method: 8270

ab code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

atrix: (soil/water) WATER Lab Sample ID: 76304

ample wt/vol: 900 (g/mL) ML Lab File ID: 2BN10819A

evel: (low/med) LOW Date Received: 08/15/91

Moisture: not dec. dec. Date Extracted: 08/16/91

\*traction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q COMPOUND CAS NO. 56 U 99-09-2----3-Nitroaniline U 11 83-32-9----Acenaphthene U 56 51-28-5----2,4-Dinitrophenol\_ U 56 100-02-7----4-Nitrophenol U 11 132-64-9-----Dibenzofuran U 11 121-14-2----2,4-Dinitrotoluene\_ 11 U 84-66-2----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether 11 U 11 86-73-7-----Fluorene U 56 100-01-6----4-Nitroaniline U 56 534-52-1----4,6-Dinitro-2-Methylphenol U 11 86-30-6----N-Nitrosodiphenylamine (1) U 11 101-55-3----4-Bromophenyl-phenylether\_ U 11 118-74-1-----Hexachlorobenzene\_ E 2900 87-86-5-----Pentachlorophenol\_\_\_ 11 U 85-01-8-----Phenanthrene U 11 120-12-7-----Anthracene 84-74-2-----Di-n-Butylphthalate 11 U 11 U 206-44-0----Fluoranthene U 11 129-00-0----Pyrene U 11 85-68-7-----Butylbenzylphthalate U 22 91-94-1----3,3'-Dichlorobenzidine\_ U 11 56-55-3----Benzo(a)Anthracene\_ 11 U 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)phthalate 11 U 11 117-84-0-----Di-n-Octyl Phthalate\_ U 11 205-99-2----Benzo(b) Fluoranthene\_ U 11 207-08-9----Benzo(k)Fluoranthene\_ U 11 50-32-8-----Benzo(a) Pyrene U 193-39-5----Indeno(1,2,3-cd)Pyrene 11 U 11 53-70-3-----Dibenz(a,h)Anthracene\_\_\_ 11 U 191-24-2----Benzo(g,h,i)Perylene\_\_\_\_ (1) - Cannot be separated from Diphenylamine

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB307F

) Name: WEYERHAEUSER

Method: 8270

code: WEYER

Case No.: 06483 SAS No.:

SDG No.: 76298 -

rix: (soil/water) WATER

Lab Sample ID: 76304

nple wt/vol:

900

(g/mL) ML

Lab File ID:

2BN10819A

/el:

(low/med) LOW

Date Received:

08/15/91

Moisture: not dec.

dec.

(SepF/Cont/Sonc)

CONT

Date Extracted: 08/16/91 08/19/91 Date Analyzed:

traction:

pH:

Dilution Factor: 1.00

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

mber TICs found:

Cleanup: (Y/N) N

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 108-43-0 2. 3. 13588-28-8 4. 20324-33-8 5. 591-35-5 6. 58-90-2 7. 8. 9.	PHENOL, 3-CHLORO- UNKNOWN 1-PROPANOL, 2-(2-METHOXYPROP 2-PROPANOL, 1-[2-(2-METHOXY- PHENOL, 3,5-DICHLORO- PHENOL, 2,3,4,6-TETRACHLORO- UNKNOWN UNKNOWN UNKNOWN	12.22 14.20 14.25 14.30 16.09 18.52 19.37 23.95 37.71	580 33 39 75 260 1200 29 17 16	JX JX JX JX JX JX

Method: 8270 b Name: WEYERHAEUSER

WAB307FDL

b Lude: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

trix: (soil/water) WATER

(g/mL) ML

Lab Sample ID: 76304DL

mple wt/vol: 900

Lab File ID:

2BN10819B

vel: (low/med) LOW

Date Received: 08/15/91

Moisture: not dec.

dec.

Date Extracted: 08/16/91

traction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91

Cleanup: (Y/N) N pH:

Dilution Factor: 20

CONCENTRATION UNITS:

CAS NO. COMPOUND

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

Q

. 1	!	1 1
108-95-2Phenol	220	ប
111-44-4bis(2-Chloroethyl)Ether	220	ן ט
95-57-82-Chlorophenol	220	ן טן
541-73-11,3-Dichlorobenzene	220	ט
106-46-71,4-Dichlorobenzene	220	ן טן
100-51-6Benzyl Alcohol	220	ו ט
95-50-11,2-Dichlorobenzene	220	ן טן
95-48-72-Methylphenol	220	ן טן
108-60-1bis(2-Chloroisopropyl)Ether	220	ן טן
108-80-1	220	ט
621-64-7N-Nitroso-Di-n-Propylamine	220	ן מן
67-72-1Hexachloroethane	220	ן ט
98-95-3Nitrobenzene	220	ן ט
78-59-1Isophorone	220	lυ
	220	ប
88-75-52-Nitrophenol 105-67-92,4-Dimethylphenol	220	Ū
105-67-92,4-Dimethylphenor	1100	ا ا
65-85-0Benzoic Acid_	220	l <del>u</del> l
111-91-1bis(2-Chloroethoxy) Methane	220	l <del>ŭ</del> l
120-83-22,4-Dichlorophenol	220	ן מ
120-82-11,2,4-Trichlorobenzene	220	lΰ
91-20-3Naphthalene	220	ן מן
106-47-84-Chloroaniline	220	lΰ
87-68-3Hexachlorobutadiene	220	ΰ
59-50-74-Chloro-3-Methylphenol	220	บ
91-57-62-Methylnaphthalene	220	ี้ ซ
77-47-4Hexachlorocyclopentadiene	220	U
88-06-22,4,6-Trichlorophenol	520	DJ
95-95-42,4,5-Trichlorophenol	220	ប្រ
91-58-72-Chloronaphthalene	1100	ן ט
88-74-42-Nitroaniline	220	บั
131-11-3Dimethyl Phthalate	220	Ü
208-96-8Acenaphthylene	220	TI U
606-20-22,6-Dinitrotoluene		١
		.

Method: 8270 Name: WEYERHAEUSER

WAB307FDL

SDG No.: 76298 SAS No.: ) Code: WEYER Case No.: 06483

Lab Sample ID: 76304DL :rix: (soil/water) WATER

2BN10819B Lab File ID: 900 (q/mL) ML uple wt/vol:

08/15/91 Date Received: LOW (low/med) rel:

Date Extracted: 08/16/91 dec. Moisture: not dec.

08/19/91 Date Analyzed: CONT (SepF/Cont/Sonc) raction:

Dilution Factor: 20 pH: Cleanup: (Y/N) N

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

· Q U 1100 99-09-2----3-Nitroaniline\_ U 220 83-32-9----Acenaphthene U 1100 51-28-5-----2,4-Dinitrophenol\_ U 1100 100-02-7----4-Nitrophenol\_ 220 U 132-64-9-----Dibenzofuran U 220 121-14-2----2,4-Dinitrotoluene U 220 84-66-2----Diethylphthalate Ū 220 7005-72-3----4-Chlorophenyl-phenylether IJ 220 86-73-7----Fluorene U 1100 100-01-6----4-Nitroaniline U 534-52-1----4,6-Dinitro-2-Methylphenol 1100 U 220 86-30-6----N-Nitrosodiphenylamine (1)\_ U 220 101-55-3----4-Bromophenyl-phenylether\_ U 220 118-74-1-----Hexachlorobenzene 4700 D 87-86-5-----Pentachlorophenol U 220 85-01-8-----Phenanthrene\_ 220 U 120-12-7-----Anthracene 220 U 84-74-2----Di-n-Butylphthalate U 220 206-44-0----Fluoranthene\_ U 220 129-00-0-----Pyrene U 220 85-68-7----Butylbenzylphthalate U 440 91-94-1----3,3'-Dichlorobenzidine\_ U 220 56-55-3-----Benzo(a)Anthracene\_\_\_ U 220 218-01-9-----Chrysene U 220 117-81-7-----bis(2-Ethylhexyl)phthalate U 220 117-84-0-----Di-n-Octyl Phthalate\_ U 220 205-99-2----Benzo(b) Fluoranthene U 220 207-08-9-----Benzo(k) Fluoranthene\_ U 220 50-32-8----Benzo(a) Pyrene U 220 193-39-5----Indeno(1,2,3-cd) Pyrene U 220 53-70-3-----Dibenz (a,h) Anthracene\_ U 220 191-24-2----Benzo(g,h,i)Perylene\_

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB307FDL

ab Name: WEYERHAEUSER

Method: 8270

ab Jode: WEYER

Case No.: 06483 SAS No.:

SDG No.: 76298

atrix: (soil/water) WATER

Lab Sample ID:

76304DL

ample wt/vol:

(q/mL) ML 900

Lab File ID:

2BN10819B

evel: (low/med) LOW

Date Received: 08/15/91

dec.

Date Extracted: 08/16/91

Moisture: not dec.

xtraction: (SepF/Cont/Sonc) CONT

Date Analyzed: 08/19/91

PC Cleanup: (Y/N) N

:Hq

Dilution Factor: 20

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

umber TICs found:

CAS NUMBER

Q EST. CONC. RTCOMPOUND NAME

Name: WEYERHAEUSER Method: 8270 WAB307UF

Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

rix: (soil/water) WATER Lab Sample ID: 76305

uple wt/vol: 950 (g/mL) ML Lab File ID: 2BN10819F

vel: (low/med) LOW Date Received: 08/15/91

Moisture: not dec. dec. Date Extracted: 08/16/91

traction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91

C Cleanup: (Y/N) N pH: Dilution Factor: 16

CAS NO.	COMPOUND	CONCENTR (ug/L or	ATION UI	NITS: UG/L	Q
108-95-2 111-44-4 95-57-8 541-73-1 106-46-7 95-50-1 95-48-7 108-60-1 106-44-5 621-64-7 98-95-3 105-67-9 105-67-9 111-91-1 120-83-2 110-83-2 1106-47-8	Phenolbis(2-Chloroethyl2-Chlorophenol1,3-Dichlorobenze1,4-DichlorobenzeBenzyl Alcohol1,2-Dichlorobenze2-Methylphenolbis(2-ChloroisophenolN-Nitroso-Di-n-PhexachloroethaneNitrobenzeneIsophorone2-Nitrophenol2,4-DimethylphenolBenzoic Acidbis(2-Chloroethomenol2,4-Dichlorophenol2,4-Trichlorobenol1,2,4-TrichlorobenolNaphthalene4-Chloroaniline_	(ug/L or )Ether ene ene_ copyl)Ethe copylamine	ug/Kg)	170 170 170 170 170 170 170 170 170 170	ממממממממממממממממ
87-68-3 59-50-7	Hexachlorobutadi 4-Chloro-3-Methy 2-Methylnaphthal	lphenol ene		170 170 170 170	U U U
88-06-2 95-95-4 91-58-7 88-74-4	Hexachlorocyclop 2,4,6-Trichlorop 2,4,5-Trichlorop 2-Chloronaphthal 2-Nitroaniline	henol henol ene		370 350 170 840	J U U
131-11-3	Dimethyl PhthalaAcenaphthylene2,6-Dinitrotolue			170 170 170	U U U

WAB307UF

SDG No.: 76298

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Method: 8270

b Name: WEYERHAEUSER

SAS No.: Case No.: 06483 b Lude: WEYER

Lab Sample ID: 76305 trix: (soil/water) WATER

Lab File ID: 2BN10819F (g/mL) ML 950 mple wt/vol:

Date Received: 08/15/91 (low/med) LOW vel:

Date Extracted: 08/16/91 dec. Moisture: not dec.

08/19/91 Date Analyzed: CONT (SepF/Cont/Sonc) traction:

Dilution Factor: 16 (Y/N) N pH: C Cleanup:

CONCENTRATION UNITS:

Q (ug/L or ug/Kg) UG/L COMPOUND CAS NO. 840 U 99-09-2----3-Nitroaniline 170 U 83-32-9-----Acenaphthene 840 Ú 51-28-5-----2,4-Dinitrophenol U 840 100-02-7----4-Nitrophenol\_ U 170 132-64-9-----Dibenzofuran U 170 121-14-2----2,4-Dinitrotoluene U 170 84-66-2-----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether 170 U 170 86-73-7----Fluorene U 840 100-01-6----4-Nitroaniline U 840 534-52-1----4,6-Dinitro-2-Methylphenol U 170 86-30-6----N-Nitrosodiphenylamine (1) U 170 101-55-3----4-Bromophenyl-phenylether\_ U 170 118-74-1-----Hexachlorobenzene\_ 2200 87-86-5-----Pentachlorophenol\_ 170 U 85-01-8----Phenanthrene 170 U 120-12-7-----Anthracene 84-74-2----Di-n-Butylphthalate 170 U 170 U 206-44-0----Fluoranthene\_ 170 U 129-00-0-----Pyrene 170 U 85-68-7-----Butylbenzylphthalate U 340 91-94-1----3,3'-Dichlorobenzidine\_ 170 U 56-55-3----Benzo(a) Anthracene\_ U 170 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)phthalate\_ 170 U 170 117-84-0----Di-n-Octyl Phthalate\_ 170 U 205-99-2----Benzo(b) Fluoranthene\_ 170 U 207-08-9----Benzo(k) Fluoranthene\_ U 170 50-32-8-----Benzo(a) Pyrene U 170 193-39-5----Indeno(1,2,3-cd) Pyrene\_ 170 U 53-70-3-----Dibenz(a,h)Anthracene\_\_\_ U 170 191-24-2----Benzo(g,h,i)Perylene\_

1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB307UF

o Name: WEYERHAEUSER

Method: 8270

Code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

trix: (soil/water) WATER

case no.. oo io.

Lab Sample ID:

SDG NO.: 70298

76305

nple wt/vol:

950

(q/mL) ML

Lab File ID:

2BN10819F

....

zel:

(low/med) LOW

Date Received:

08/15/91

Moisture: not dec.

(SepF/Cont/Sonc)

CONT

Date Analyzed: 08/

Date Extracted: 08/16/91

08/19/91

Cleanup:

CAS NUMBER

1. 108-43-0

2. 591-35-5

3. 58-90-2

traction:

(Y/N) N

:Hq

dec.

Dilution Factor: 16

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

mber TICs found: 3

COMPOUND NAME RT EST. CONC. Q

PHENOL, 3-CHLOROPHENOL, 3,5-DICHLOROPHENOL, 2,3,4,6-TETRACHLORORT EST. CONC. Q

12.14
16.04
18.29
1200
JX
JX
JX
JX

WAB308FB

SDG No.: 76298

Method: 8270 h Name: WEYERHAEUSER

b Lude: WEYER

SAS No.: Case No.: 06483

76306 Lab Sample ID: crix: (soil/water) WATER

(g/mL) ML Lab File ID: 2BN10819D mple wt/vol: 790

Date Received: 08/15/91 vel: (low/med) LOW

Date Extracted: 08/16/91 Moisture: not dec. dec.

Date Analyzed: 08/19/91 CONT (SepF/Cont/Sonc) "traction:

Dilution Factor: 1.0 \*C Cleanup: (Y/N) N pH:

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q COMPOUND CAS NO. U 13 108-95-2----Phenol U 111-44-4----bis(2-Chloroethyl)Ether\_ 13 U 13 95-57-8----2-Chlorophenol 13 U 541-73-1----1,3-Dichlorobenzene 13 U 106-46-7----1,4-Dichlorobenzene\_ U 13 100-51-6-----Benzyl Alcohol 95-50-1----1,2-Dichlorobenzene 13 U 13 IJ 95-48-7----2-Methylphenol 13 U 108-60-1-----bis(2-Chloroisopropyl)Ether\_ 13 U 106-44-5----4-Methylphenol 13 Ü 621-64-7----N-Nitroso-Di-n-Propylamine U 13 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 U 64 65-85-0----Benzoic Acid 111-91-1----bis(2-Chloroethoxy)Methane 13 U U 13 120-83-2----2,4-Dichlorophenol 13 U 120-82-1----1,2,4-Trichlorobenzene\_ Ú 13 91-20-3----Naphthalene 13 U 106-47-8-----4-Chloroaniline U 87-68-3-----Hexachlorobutadiene 13 59-50-7----4-Chloro-3-Methylphenol 13 U 13 U 91-57-6----2-Methylnaphthalene 13 U 77-47-4----Hexachlorocyclopentadiene 88-06-2----2,4,6-Trichlorophenol 13 U 64 U 95-95-4----2,4,5-Trichlorophenol\_ 13 U 91-58-7----2-Chloronaphthalene 64 U 88-74-4----2-Nitroaniline U 13 131-11-3-----Dimethyl Phthalate\_ 13 U 208-96-8-----Acenaphthylene U 13 606-20-2----2,6-Dinitrotoluene\_

WAB308FB

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Name: WEYERHAEUSER Method: 8270

Code: WEYER

Case No.: 06483 SAS No.: SDG No.: 76298

rix: (soil/water) WATER Lab Sample ID: 76306

ple wt/vol: 790 (g/mL) ML Lab File ID: 2BN10819D

rel: (low/med) LOW Date Received: 08/15/91

Moisture: not dec. dec. Date Extracted: 08/16/91

raction: (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 Q

Chb no.	(, 5)			
			<i>-</i> 1	
99-09-2	3-Nitroaniline	.	64	U
83-32-9	Acenaphthene	.	13	
51-28-5	2,4-Dinitrophenol		64	ū
100-02-7	4-Nitrophenol	. <b>P</b>	64	Ü
	Dibenzofuran	. 🛮	13	U
121-14-2	2,4-Dinitrotoluene		13	Ŭ
84-66-2	Diethylphthalate		13	U
7005-72-3	4-Chlorophenyl-phenylether		13	U
86-73-7	Fluorene	. P	13	U
100-01-6	4-Nitroaniline		64	U
534-52-1	4,6-Dinitro-2-Methylphenol	. 1	64	U
86-30-6	N-Nitrosodiphenylamine (1)	.	1.3	U
101-55-3	4-Bromophenyl-phenylether	.†	13	U
118-74-1	Hexachlorobenzene	,	13	U
87-86-5	Pentachlorophenol		64	U
	Phenanthrene	· ·	13	U
120-12-7	Anthracene	•	13	ט
84-74-2	Di-n-Butylphthalate	.1	26	
206-44-0	Fluoranthene		13	TU
129-00-0	Pvrene	.	13	U
85-68-7	Butylbenzylphthalate		1.3	U
91-94-1	3,3'-Dichlorobenzidine	.]	25	U
56-55-3	Benzo(a)Anthracene		13	U
218-01-9	Chrvsene		13	U
117-81-7	bis(2-Ethylhexyl)phthalate		13	U
117-84-0	Di-n-Octyl Phthalate		13	ן ט
	Benzo(b)Fluoranthene		13	ן ט
	Benzo(k)Fluoranthene		13	U
50-32-8	Benzo(a) Pyrene		13	U
193-39-5	Indeno(1,2,3-cd) Pyrene		13	ן טן
53-70-3	Dibenz (a, h) Anthracene		13	ן ט
191-24-2	Benzo(g,h,i)Perylene	_	13	ן ש
		_		ll
	he seemed from Dinhonylamine			

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Method: 8270

WAB308FB

b Lde: WEYER

b Name: WEYERHAEUSER

Case No.: 06483

SAS No.:

SDG No.: 76298

trix: (soil/water) WATER

Lab Sample ID: 76306

mple wt/vol:

790

(g/mL) ML

Lab File ID:

2BN10819D

vel:

(low/med) LOW Date Received:

08/15/91

Moisture: not dec.

mber TICs found:

CAS NUMBER

1. 106-35-4

2. 96-76-4

dec.

Date Extracted: 08/16/91

traction:

(SepF/Cont/Sonc)

CONT

Date Analyzed:

08/19/91

C Cleanup:

(Y/N) N

pH:

Dilution Factor: 1.0

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

3

COMPOUND NAME RTEST. CONC. 5.55 8.9 JX 3-HEPTANONE PHENOL, 2,4-BIS(1,1-DIMETHYL 17.54 11 JΧ 1,2-BENZENEDICARBOXYLIC ACID 23.90 28 JΧ 3. 17851-53-5

SBLKS1

o Name: WEYERHAEUSER Method: 8270

SDG No.: 76298 Case No.: 06483 SAS No.: b Code: WEYER

SBLKS1 Lab Sample ID: trix: (soil/water) SOIL

Lab File ID: 2BN10815C 1.0 (g/mL) G mple wt/vol:

Date Received: (low/med) MED vel:

Date Extracted: 08/15/91 dec. Moisture: not dec.

Date Analyzed: 08/15/91 (SepF/Cont/Sonc) SONC traction:

Dilution Factor: 1.0 pH: C Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q COMPOUND CAS NO. 20000 U 108-95-2----Phenol 111-44-4-----bis(2-Chloroethyl)Ether 20000 U 20000 U 95-57-8----2-Chlorophenol 20000 U 541-73-1----1,3-Dichlorobenzene U 20000 106-46-7----1,4-Dichlorobenzene U 20000 100-51-6----Benzyl Alcohol U 20000 95-50-1----1,2-Dichlorobenzene\_ U 20000 95-48-7----2-Methylphenol U 108-60-1-----bis(2-Chloroisopropyl)Ether 20000 U 20000 106-44-5-----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 20000 U 20000 67-72-1-----Hexachloroethane\_\_ U 20000 98-95-3-----Nitrobenzene\_ U 20000 78-59-1-----Isophorone U 20000 88-75-5----2-Nitrophenol U 20000 105-67-9----2,4-Dimethylphenol\_ 96000 U 65-85-0-----Benzoic Acid\_ U 111-91-1-----bis(2-Chloroethoxy)Methane 20000 U 20000 120-83-2----2,4-Dichlorophenol\_ 20000 U 120-82-1----1,2,4-Trichlorobenzene\_ U 20000 91-20-3----Naphthalene 20000 U 106-47-8----4-Chloroaniline U 87-68-3-----Hexachlorobutadiene 20000 U 59-50-7----4-Chloro-3-Methylphenol\_ 20000 U 20000 91-57-6----2-Methylnaphthalene U 77-47-4----Hexachlorocyclopentadiene\_ 20000 U 20000 88-06-2----2,4,6-Trichlorophenol\_ U 96000 95-95-4----2,4,5-Trichlorophenol\_ U 20000 91-58-7----2-Chloronaphthalene\_ U 96000 88-74-4----2-Nitroaniline 20000 U 131-11-3-----Dimethyl Phthalate\_ 20000 U 208-96-8-----Acenaphthylene 20000 U 606-20-2-----2,6-Dinitrotoluene\_

SBLKS1

Method: 8270 ab Name: WEYERHAEUSER

SDG No.: 76298

\*trix: (soil/water) SOIL

Lab Sample ID:

SBLKS1

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

Lab File ID:

2BN10815C

\*b( \_\_de: WEYER

vel: (low/med) MED

Date Received:

Moisture: not dec. dec.

Case No.: 06483 SAS No.:

Date Extracted: 08/15/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/15/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	Q
1			1		1 1
	3-Nitroaniline		1	96000	U
83-32-9	Acenaphthene		<del></del> 1	20000	ן ט
51-28-5	2,4-Dinitrophe	nol		96000	U
	4-Nitrophenol_			96000	U
	Dibenzofuran_			20000	ן די
121-14-2	2,4-Dinitrot $\overline{\text{ol}}$	uene		20000	ן די
	Diethylphthala		<u> </u>	20000	ן ט
7005-72-3	4-Chlorophenyl	-phenylether		20000	ן ט
86-73-7	Fluorene			20000	U
	4-Nitroaniline			96000	ן ט
534-52-1	4,6-Dinitro-2-	Methylphenol		96000	ן ט
86-30-6	N-Nitrosodiphe	nylamine (1)		20000	ן טן
101-55-3	4-Bromophenyl-	phenylether_		20000	្រ
118-74-1	Hexachlorobenz	ene		20000	ט
87-86-5	Pentachlorophe	nol		96000	ן ט
				20000	ט
120-12-7				20000	ט
84-74-2	Di-n-Butylphth	alate		20000	ן ט
	Fluoranthene_			20000	ט
129-00-0	Pvrene			20000	ן ט
85-68-7	Butylbenzylpht	halate		20000	σ
91-94-1	3,3'-Dichlorok	enzidine		40000	ប
56-55-3	Benzo(a)Anthra	cene		20000	ប
218-01-9				20000	ប
117-81-7	bis(2-Ethylhex	vl)phthalate	<u> </u>	20000	ប
	Di-n-Octyl Pht			20000	ប
	Benzo(b)Fluora			20000	ប
	Benzo(k)Fluora			20000	ប
	Benzo(a) Pyrene		<del></del>	20000	U
193-39-5	Indeno(1,2,3-0	d) Pyrene		20000	U
	Dibenz(a,h)An			20000	ט
	Benzo(g,h,i)Pe			20000	Ū
T91-24-2	Denzo (9/11/1/10	<u></u>			
(1) - Cannot be	separated from I	piphenylamine			<del>-</del>   <del></del>

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SBLKS1

b Name: WEYERHAEUSER

Method: 8270

b Code: WEYER

Case No.: 06483 SAS No.:

SDG No.: 76298

trix: (soil/water) SOIL

Lab Sample ID:

SBLKS1

mple wt/vol:

1.0 (q/mL) G

Lab File ID:

2BN10815C

(low/med) MED

Date Received:

Moisture: not dec.

dec.

Date Extracted: 08/15/91

traction:

vel:

(SepF/Cont/Sonc) SONC

Date Analyzed: 08/15/91

C Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

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

mber TICs found:

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====	
1.	UNKNOWN	26.02	36000	JX	

SBLKW1

b Name: WEYERHAEUSER Method: 8270

b de: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

trix: (soil/water) WATER Lab Sample ID: SBLKW1

mple wt/vol: 1000 (g/mL) ML Lab File ID: 2BN10819E

vel: (low/med) LOW Date Received:

Moisture: not dec. dec. Date Extracted: 08/16/91

traction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91

C Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Q COMPOUND CAS NO. 10 U 108-95-2----Phenol 10 U 111-44-4----bis(2-Chloroethyl)Ether\_ 10 U 95-57-8----2-Chlorophenol U 10 541-73-1----1,3-Dichlorobenzene 10 U 106-46-7----1,4-Dichlorobenzene\_ 100-51-6----Benzyl Alcohol 10 U 10 U 95-50-1----1,2-Dichlorobenzene\_ 10 U 95-48-7----2-Methylphenol U 108-60-1-----bis(2-Chloroisopropyl)Ether 10 U 10 106-44-5----4-Methylphenol 10 U 621-64-7----N-Nitroso-Di-n-Propylamine 10 U 67-72-1-----Hexachloroethane 10 U 98-95-3----Nitrobenzene U 10 78-59-1----Isophorone U 88-75-5----2-Nitrophenol 10 105-67-9----2,4-Dimethylphenol 10 U U 65-85-0----Benzoic Acid 50 111-91-1----bis(2-Chloroethoxy)Methane 10 U 10 U 120-83-2----2,4-Dichlorophenol 120-82-1----1,2,4-Trichlorobenzene U 10 10 U 91-20-3----Naphthalene 10 U 106-47-8----4-Chloroaniline U 10 87-68-3-----Hexachlorobutadiene 10 U 59-50-7----4-Chloro-3-Methylphenol 10 U 91-57-6----2-Methylnaphthalene 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 IJ 50 88-74-4----2-Nitroaniline U 10 131-11-3-----Dimethyl Phthalate U 10 208-96-8-----Acenaphthylene 10 U 606-20-2----2,6-Dinitrotoluene

Method: 8270 Name: WEYERHAEUSER

SBLKW1

Code: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

SBLKW1

rix: (soil/water) WATER

1000 (g/mL) ML

Lab File ID:

Lab Sample ID:

2BN10819E

uple wt/vol:

rel: (low/med) LOW

Date Received:

Moisture: not dec.

dec.

Date Extracted: 08/16/91

raction: (SepF/Cont/Sonc) CONT Date Analyzed: 08/19/91

Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:

0

CAS NO.	COMPOUND	(ug/L or ug/Kg	) UG/L	Q
		]	50	) U
99-09-2	3-Nitroaniline		10	, , ,
83-32-9	Acenaphthene		50	
51-28-5	2,4-Dinitrophenol		50	1 1
100-02-7-	4-Nitrophenol		10	
132-64-9-	Dibenzofuran		10	- I 1
121-14-2-	2,4-Dinitrotoluer	ie	10	
84-66-2	Diethylphthalate	2 - 4 2 - 0 2 -	10	• • •
7005-72-3	34-Chlorophenyl-ph	renAteruer ——	10	
86-73-7-	Fluorene		5(	
100-01-6	4-Nitroaniline		. 50	
534-52-1	4,6-Dinitro-2-Met N-Nitrosodipheny	hyipnenoi	10	- 1
86-30-6	N-Nitrosodipheny	amine (1)	10	7
101-55-3	4-Bromopnenyı-pn∈	enArecuer		" 1 i
118-74-1	Hexachlorobenzene		10	- 1 1
87-86-5-	Pentachlorophenol	- <u></u> -	50	· 1 1
85-01-8-	Phenanthrene		10	1 1
120-12-7	Anthracene		1(	
84-74-2-	Di-n-Butylphthala	te	10	
206-44-0	Fluoranthene		1.	
129-00-0	Pvrene		10	1 1
85-68-7-	Butylbenzylphtha	Late	1.	4 1
91-94-1-	3,3'-Dichloroben	zidine	2	
56-55-3-	Benzo(a)Anthrace	ne	1	
218-01-9	Chrvsene	<u> </u>	. 1	1 1
117-81-7	bis(2-Ethylhexyl	phthalate	1	I I
117-84-0	Di-n-Octyl Phtha	late	1	1 1
205-99-2	Benzo(b)Fluorant	nene	1	
207-08-9	Benzo(k)Fluorant	nene	1	
50-32-8-	Benzo(a) Pyrene		1	1 .
103-30-5	Indeno(1,2,3-cd)	Pyrene	1	1 1
53-70-3-	Dibenz(a,h)Anthr	acene	1	
191-24-2	Benzo(g,h,i)Pery	lene	1	0  U
1 191-24-2	20,,20 (9,,,,2,,1)			
		,, ,, ,, ,, ,, ,, ,,, ,		

EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

Method: 8270

SBLKW1

b Lae: WEYER

Case No.: 06483 SAS No.:

SDG No.: 76298

trix: (soil/water) WATER

b Name: WEYERHAEUSER

Lab Sample ID: SBLKW1

mple wt/vol:

1000

(g/mL) ML

Lab File ID:

2BN10819E

LOW

Date Received:

vel:

(low/med)

Date Extracted: 08/16/91

traction:

(SepF/Cont/Sonc)

CONT

Date Analyzed: 08/19/91

Cleanup: (Y/N) N

pH:

dec.

Dilution Factor: 1.0

CONCENTRATION UNITS:

mber TICs found:

Moisture: not dec.

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

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

SBLKS2

Name: WEYERHAEUSER Method: 8270

Code: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

rix: (soil/water) SOIL Lab Sample ID: SBLKS2

uple wt/vol: 1.0 (g/mL) G Lab File ID: 2BN10820D

rel: (low/med) MED Date Received:

Moisture: not dec. dec. Date Extracted: 08/19/91

raction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND (nd/r or nd/	/kg) dd/kd	ж.
		1	1 1
108-95-2	Phenol	20000	U
111-44-4	bis(2-Chloroethyl)Ether	20000	U
05-57-9	2-Chlorophenol	20000	U
541-73-1	1,3-Dichlorobenzene	20000	U
106-46-7	1.4-Dichlorobenzene	20000	ប
100-51-6	Benzyl Alconol	20000	U
95-50-1	1,2-Dichlorobenzene	20000	[ប
OF 407	?-Methylnhenol	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	ប
98-95-3	Nitrobenzene	20000	ប
78-59-1	Isophorone	20000	ប
70-35 I	2-Nitrophenol	20000	U
105-67-0	2,4-Dimethylphenol	20000	ប
105-07-9	Benzoic Acid	96000	υ
111-01-1	bis(2-Chloroethoxy)Methane	20000	υ
TTT-5T-T	2,4-Dichlorophenol	20000	U
120-03-2	1,2,4-Trichlorobenzene	20000	U
120-82-1	Naphthalene	20000	ប
91-20-3	4-Chloroaniline	20000	ט
106-4/-8	Hexachlorobutadiene	T 20000	ប
8/-68-3	4-Chloro-3-Methylphenol	20000	ט
59-50-7	2-Methylnaphthalene	20000	ប
91-5/-6	Hexachlorocyclopentadiene	20000	U
77-47-4	2,4,6-Trichlorophenol	20000	lυ
88-06-2	2 4 5-Wrighlorophenol	96000	טן
95-95-4	2,4,5-Trichlorophenol 2-Chloronaphthalene	20000	ប
91-58-7	2-Chioronaphthalene	96000	U
88-74-4	Z-NICLOGIIIIIIE	-1	U
131-11-3	Dimethyl Phthalate	20000	Ū
208-96-8	Acenaphthylene	20000	Ιŭ
606-20-2	2,6-Dinitrotoluene	-	-
		_1	_1

SBLKS2

Method: 8270 ab Name: WEYERHAEUSER

ab de: WEYER Case No.: 06483 SAS No.: SDG No.: 76298

Lab Sample ID: SBLKS2

strix: (soil/water) SOIL

Lab File ID: 2BN10820D mple wt/vol: 1.0 (g/mL) G

Date Received: %vel: (low/med) MED

Date Extracted: 08/19/91 Moisture: not dec. dec.

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

Dilution Factor: 1.0 PC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENT (ug/L o				Q	
	151				0.6000	U	
99-09-2	3-Nitroaniline	<u> </u>	[		96000	lα	
83-32-9	Acenaphthene_		{		20000	I	
51-28-5	2,4-Dinitrophe	enol	i		96000	Ü	
100-02-7	4-Nitropnenol_				96000	Ū	
132-64-9	Dibenzofuran_				20000	ū	1
121-14-2	2,4-Dinitroto	uene			20000	υ	
84-66-2	Diethylphthala	ite			20000	U	
7005-72-3	4-Chlorophenyl	phenylethe	r		20000	U	
86-73-7	Fluorene		<del></del>		20000	U	
100-01-6	4-Nitroaniline	<u> </u>			96000	U	
534-52-1	4,6-Dinitro-2	-Methylpheno	1		96000	υ	
86-30-6	N-Nitrosodiphe	enylamine (1	.) [		20000	U	
101-55-3	4-Bromophenyl	-phenylether	·		20000	U	
	Hexachloroben:				20000	U	
87-86-5	Pentachlorophe	enol			96000	U	- 1
	Phenanthrene				20000	U	- 1
120-12-7	Anthracene				20000	U	
84-74-2	Di-n-Butylphtl	nalate			20000	U	
206-44-0	Fluoranthene				20000	ע	
129-00-0			. ,	1	20000	ט	- }
95-69-7	Butylbenzylph	chalate		}	20000	ט	1
03-00-7	3,3'-Dichloro	enzidine			40000	ט	]
55-55-2	Benzo(a)Anthra	cene	<del></del>		20000	U	ļ
	Chrysene		<del>.</del>		20000	U	1
117-01-7	bis(2-Ethylhe	vllphthalat	e		31000	1	
117-01-7	Di-n-Octyl Ph	rhalate		ţ	20000	lυ	
	Benzo(b)Fluor			1	20000	ΙŪ	
205-99-2	Benzo(k)Fluor	anthone			20000	Ū	1
	Benzo(k)Pruor Benzo(a)Pyren				20000	Ιŭ	ļ
50-32-8	Tradora (a) Pyrein	ad \ Durana			20000	lΰ	l
193-39-5	Indeno (1, 2, 3-	thracene			20000	tī	
	Dibenz(a,h)An				20000	บั	
191-24-2	Benzo(g,h,i)P	ет Атепе			20000	٦	
(1) - Cannot	be separated from	Diphenylamir	<u>-</u> -	١		I	1

**1**F

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS2

tb Name: WEYERHAEUSER

Method: 8270

b Code: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

itrix: (soil/water) SOIL

Lab Sample ID:

SBLKS2

umple wt/vol:

(g/mL) G 1.0

Lab File ID:

2BN10820D

:vel: (low/med) MED

Date Received:

Moisture: not dec.

umber TICs found:

dec.

Date Extracted: 08/19/91

rtraction:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 08/20/91

C Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

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

RTCOMPOUND NAME CAS NUMBER

#### WATER SEMIVOLATILE SURROGATE RECOVERY

ab Name: WEYERHAEUSER

Method: 8270

ode: WEYER Case No.: 06483 SAS No.:

SDG No.: 76298

	EPA	Sl	S2	<b>S</b> 3	S4	S5	S6	OTHER	TOT
	SAMPLE NO.	(NBZ)#	(FBP)#	(TPH)#	(PHL)#	(2FP)#	(TBP)#		TUO
	=========	======	======	=====		=====		=====	===
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	O 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
									Į
					***************************************				

			OC DILITIO
S1	(NBZ)	= Nitrobenzene-d5	( 35-114)
S2	(FBP)	= 2-Fluorobiphenyl	( 43-116)
S3	(TPH)	= Terphenyl	( 33-141)
<b>S4</b>	(PHL)	= Phenol-d5	( 10-94 )
<b>S</b> 5	(2FP)	= 2-Fluorophenol	(21-100)
S6	(TBP)	= 2,4,6-Tribromophenol	( 10-123)

<sup>#</sup> Column to be used to flag recovery values
\* Values outside of contract required QC limits

D Surrogates diluted out

#### 2 D SOIL SEMIVOLATILE SURROGATE RECOVERY

Name: WEYERHAEUSER

Method: 8270

code: WEYER

Case No.: 06483

SAS No.:

SDG No.: 76298

/el:(low/med) MED

01 02 03 04 05 06 07 08 09 10 11	EPA SAMPLE NO. WAB301 WAB301RE WAB302 WAB302RE WAB303 WAB304 WAB304 WAB305 WAB305 WAB305 WAB306 WAB306 SBLKS1	S1 (NBZ) # ====== 84 68 59 45 70 75 63 75 56 65 49 76	S2 (FBP) # ====================================	S3 (TPH) # ====================================	S4 (PHL)# 70 53 48 37 56 57 50 63 48 53 38 63	S5 (2FP) # 69 58 45 36 60 62 52 45 47 39 70	S6 (TBP)# ====== 87 61 96 73 62 76 63 86 69 91 67 69	OTHER  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TOT OUT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
11 12 13			B .	1		70 52	69 64	I -	1	

			OC LIWILS
S2 S3 S4	(TPH) (PHL)	<pre>= Nitrobenzene-d5 = 2-Fluorobiphenyl = Terphenyl = Phenol-d5 = 2-Fluorophenol</pre>	( 23-120) ( 30-115) ( 18-137) ( 24-113) ( 25-121)
56	(TBP)	= 2,4,6-Tribromophenol	( <b>1</b> 9-122)

<sup>#</sup> Column to be used to flag recovery values \* Values outside of contract required QC limits

D Surrogates diluted out



## **A** Weyerhaeuser

August 26, 1991

Dennis Catalano

Tacoma, WTC 2F25 Location

SR# 06503 Aberdeen Sawmill Soil Cleanup - Penta/NP-1 Subject

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

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.

## 1.B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB401

b Name: WEYERHAEUSER Contract: 8270

b code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

trix: (soil/water) SOIL Lab Sample ID: 76378

mple wt/vol: Lab File ID:  $1.5 \quad (g/mL) G$ 2BN10820E

Date Received: 08/19/91 vel: (low/med) MED

Moisture: not dec. 63 dec. Date Extracted: 08/19/91

ctraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

	CAB NO. COMPOSED (49/12 OF 49/	ng, co, no	×	
ſ		p. et		
l	108-95-2Phenol	36000	U	
l	111-44-4bis(2-Chloroethyl)Ether	36000	[U	
l	95-57-82-Chlorophenol	36000	Ü	
ļ	541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene	36000	ប	
١	106-46-71,4-Dichlorobenzene	36000	ប	
l	100-51-6Benzyl Alcohol	36000	ប	
l	95-50-11,2-Dichlorobenzene	36000	ប	
ł	05 40 5	36000	ប	
	39638-32-9bis(2-Chloroisopropyl)Ether	36000	ប	
l	106-44-54-Methylphenol	36000	U	
l	621-64-7N-Nitroso-Di-n-Propylamine	36000	U	
l	67-72-1Hexachloroethane	36000	υ	
l	98-95-3Nitrobenzene	36000	U	
ļ	78-59-1Isophorone	36000	ប	
l	88-75-52-Nitrophenol	36000	U	
l	105-67-92,4-Dimethylphenol	36000	U	
١	65-85-0Benzoic Acid	170000	[ซ	
١	111-91-1bis(2-Chloroethoxy)Methane	36000	ប	
١	120-83-22,4-Dichlorophenol	36000	σ	
ŀ	120-82-11,2,4-Trichlorobenzene	36000	U	
١	91-20-3Naphthalene	36000	U	
l	106-47-84-Chloroaniline	36000	U	
l	87-68-3Hexachlorobutadiene	36000	υ	
l	59-50-74-Chloro-3-Methylphenol	36000	ប	
l	91-57-62-Methylnaphthalene	36000	U	
l	77-47-4Hexachlorocyclopentadiene	36000	ប	
l	88-06-22,4,6-Trichlorophenol	82000		
l	95-95-42,4,5-Trichlorophenol	79000	J	
l	91-58-72-Chloronaphthalene	36000	U	
١	88-74-42-Nitroaniline	170000	ប	
١	131-11-3Dimethyl Phthalate	36000	ប	
١	208-96-8Acenaphthylene	36000	U	
١	606-20-22,6-Dinitrotoluene	36000	ប	
l		,		
1			(	

WAB401

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

rix: (soil/water) SOIL

Lab Sample ID: 76378

ple wt/vol:

(g/mL) G 1.5

Lab File ID:

CONCENTRATION UNITS:

2BN10820E

(low/med) MED

08/19/91 Date Received:

loisture: not dec.

dec. 63

Date Extracted: 08/19/91

Date Analyzed: 08/20/91

:raction:

el:

(SepF/Cont/Sonc)

SONC

: Cleanup:

(Y/N) N

:Hq

Dilution Factor: 1.0

(ug/L or ug/Kg) UG/KG Q COMPOUND CAS NO. 170000 U 99-09-2----3-Nitroaniline U 36000 83-32-9-----Acenaphthene U 170000 51-28-5----2,4-Dinitrophenol\_ 170000 U 100-02-7----4-Nitrophenol\_ U 36000 132-64-9-----Dibenzofuran U 36000 121-14-2----2,4-Dinitrotoluene\_ u 36000 84-66-2-----Diethylphthalate U 36000 7005-72-3----4-Chlorophenyl-phenylether\_ Ŭ 36000 86-73-7-----Fluorene U 170000 100-10-6----4-Nitroaniline U 170000 534-52-1-----4,6-Dinitro-2-Methylphenol U 86-30-6-----Nitrosodiphenylamine (1) 36000 U 36000 101-55-3----4-Bromophenyl-phenylether\_ 36000 U 118-74-1-----Hexachlorobenzene\_  $\mathbf{E}$ 1700000 87-86-5-----Pentachlorophenol\_ U 36000 85-01-8-----Phenanthrene\_ U 36000 120-12-7-----Anthracene U 84-74-2-----Di-n-Butylphthalate\_ 36000 U 36000 206-44-0-----Fluoranthene U 36000 129-00-0-----Pyrene U 85-68-7-----Butylbenzylphthalate 36000 U 71000 91-94-1----3,3'-Dichlorobenzidine\_ U 36000 56-55-3----Benzo(a) Anthracene\_ U 36000 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)Phthalate\_ 36000 U 36000 117-84-0-----Di-n-Octyl Phthalate U 36000 205-99-2----Benzo(b)Fluoranthene 36000 U 207-08-9-----Benzo(k) Fluoranthene 36000 U 50-32-8-----Benzo(a) Pyrene U 36000 193-39-5----Indeno(1,2,3-cd) Pyrene\_ 36000 U 53-70-3-----Dibenz(a,h)Anthracene\_\_\_ U 36000 191-24-2----Benzo(g,h,i)Perylene\_

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

**WAB401** 

ab Mame: WEYERHAEUSER

Contract: 8270

b code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

trix: (soil/water) SOIL

Lab Sample ID:

76378

1.5

Lab File ID:

2BN10820E

mple wt/vol:

\*vel:

(low/med) MED

Date Received:

08/19/91

Moisture: not dec.

63

Date Extracted: 08/19/91

ktraction:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 08/20/91

PC Cleanup:

(Y/N) N

pH:

dec.

(q/mL) G

Dilution Factor: 1.0

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

imber TICs found:

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.24	360000	JХ	

WAB401DL

Name: WEYERHAEUSER

Contract: 8270

Case No.: 06503

SAS No.:

SDG No.: 76378

rix: (soil/water) SOIL

Lab Sample ID:

76378DL

ple wt/vol:

Code: WEYER

1.5 (g/mL) G

Lab File ID:

2BN10820L

0

(low/med)

08/19/91 Date Received:

Moisture: not dec.

63

dec.

Date Extracted: 08/19/91

raction:

rel:

(SepF/Cont/Sonc)

SONC

08/20/91 Date Analyzed:

cleanup:

(Y/N) N

pH:

Dilution Factor: 8.0

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

COMPOUND

CAS NO. U 290000 290000 U 108-95-2----Phenol 111-44-4-----bis(2-Chloroethyl)Ether\_ U 290000 95-57-8----2-Chlorophenol U 290000 541-73-1----1,3-Dichlorobenzene U 290000 106-46-7-----1,4-Dichlorobenzene\_\_ U 290000 100-51-6----Benzyl Alcohol U 290000 -95-50-1----1,2-Dichlorobenzene 290000 U 95-48-7----2-Methylphenol U 290000 39638-32-9----bis(2-Chloroisopropyl)Ether\_ Ū 290000 106-44-5----4-Methylphenol U 290000 621-64-7----N-Nitroso-Di-n-Propylamine U 290000 67-72-1-----Hexachloroethane\_ U 290000 98-95-3-----Nitrobenzene U 290000 78-59-1-----Isophorone U 290000 88-75-5-----2-Nitrophenol U 290000 105-67-9----2,4-Dimethylphenol 1400000 U 65-85-0-----Benzoic Acid U 290000 111-91-1-----bis(2-Chloroethoxy)Methane\_ U 290000 120-83-2----2,4-Dichlorophenol U 290000 120-82-1----1,2,4-Trichlorobenzene\_ U 290000 91-20-3----Naphthalene U 290000 106-47-8----4-Chloroaniline U 290000 87-68-3-----Hexachlorobutadiene Ū 290000 59-50-7----4-Chloro-3-Methylphenol U 290000 91-57-6----2-Methylnaphthalene U 290000 77-47-4-----Hexachlorocyclopentadiene U 290000 88-06-2----2,4,6-Trichlorophenol DJ 44000 95-95-4----2,4,5-Trichlorophenol\_ IJ 290000 91-58-7----2-Chloronaphthalene\_ U 1400000 88-74-4----2-Nitroaniline U 290000 131-11-3-----Dimethyl Phthalate U 290000 208-96-8-----Acenaphthylene U 290000 606-20-2----2,6-Dinitrotoluene\_

WAB401DL

ib Name: WEYERHAEUSER Contract: 8270

ab code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

atrix: (soil/water) SOIL Lab Sample ID: 76378DL

ample wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10820L

svel: (low/med) MED Date Received: 08/19/91

Moisture: not dec. 63 dec. Date Extracted: 08/19/91

ctraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 8.0

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

99-09-23-Nitroaniline	1400000	U
83-32-9Acenaphthene	290000	บั
51-28-52,4-Dinitrophenol	1400000	Ū
100-02-74-Nitrophenol	1400000	U
132-64-9Dibenzofuran	290000	บั
121-14-22,4-Dinitrotoluene	290000	ΙŪ
84-66-2Diethylphthalate	290000	Ŭ
7005-72-34-Chlorophenyl-phenylether	290000	Ū
86-73-7Fluorene	290000	Ū
100-10-64-Nitroaniline	1400000	ĺΰ
534-52-14,6-Dinitro-2-Methylphenol	1400000	Ū
86-30-6N-Nitrosodiphenylamine (1)	290000	Ū
101-55-34-Bromophenyl-phenylether	290000	lυ
118-74-1Hexachlorobenzene	290000	Ū
87-86-5Pentachlorophenol	1500000	D
85-01-8Phenanthrene	290000	Ū
120-12-7Anthracene	290000	U
84-74-2Di-n-Butylphthalate	290000	U
206-44-0Fluoranthene	290000	Ū
129-00-0Pyrene	290000	U
85-68-7Butylbenzylphthalate	290000	U
91-94-13,3'-Dichlorobenzidine	570000	U
56-55-3Benzo(a) Anthracene	290000	ប
218-01-9Chrysene	290000	U
117-81-7bis(2-Ethylhexyl)Phthalate	290000	្រ
117-84-0Di-n-Octyl Phthalate	290000	U
205-99-2Benzo(b) Fluoranthene	290000	U
207-08-9Benzo(k)Fluoranthene	290000	lυ
50-32-8Benzo(a) Pyrene	290000	U
193-39-5Indeno(1,2,3-cd)Pyrene	290000	U
53-70-3Dibenz(a,h)Anthracene	290000	ប
191-24-2Benzo(g,h,i)Perylene	290000	Ū
1) - Connot be consented from Dinhonylamine		_

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB401DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER Case No.: 06503 SAS No.:

SDG No.: 76378

rix: (soil/water) SOIL

Lab Sample ID:

76378DL

ple wt/vol:

1.5 (g/mL) G

Lab File ID:

2BN10820L

el: (low/med) MED

Date Received:

08/19/91

oisture: not dec. 63 dec.

Date Extracted: 08/19/91

raction:

(SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

: Cleanup: (Y/N) N

CAS NUMBER

pH:

Dilution Factor: 8.0

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

ber TICs found:

COMPOUND NAME

RT

EST. CONC.

WAB402

ab Name: WEYERHAEUSER Contract: 8270

\*b code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

atrix: (soil/water) SOIL Lab Sample ID: 76379

ample wt/vol: 1.1 (g/mL) G Lab File ID: 2BN10820F

**tel:** (low/med) MED Date Received: 08/19/91

Moisture: not dec. 54 dec. Date Extracted: 08/19/91

\*traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 2.0

CAS NO. COMPOUND CONCENTRATION UNITS:

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

108-95-2Phenol	78000	U
111-44-4bis(2-Chloroethyl)Ether	78000	บั
95-57-82-Chlorophenol	78000	Ū
541-73-11,3-Dichlorobenzene	78000	Ū
106-46-71,4-Dichlorobenzene	78000	Ū
100-51-6Benzvl Alcohol	78000	Ū
95-50-11,2-Dichlorobenzene	78000	Ιΰ
95-48-72-Methylphenol	78000	υ
39638-32-9bis(2-Chloroisopropyl)Ether	78000	υ
100 44 E 4 Wetherlahamal	78000	ט
621-64-7N-Nitroso-Di-n-Propylamine	78000	υ
67-72-1Hexachloroethane	78000	שׁ
98-95-3Nitrobenzene	78000	שׁ
78-59-1Isophorone	78000	υ .
88-75-52-Nitrophenol	78000	שׁן
105-67-92,4-Dimethylphenol	78000	U
65-85-0Benzoic Acid	380000	U
111-91-1bis(2-Chloroethoxy)Methane	78000	U
120-83-22,4-Dichlorophenol	78000	U .
120-82-11,2,4-Trichlorobenzene	78000	U
91-20-3Naphthalene	78000	U
106-47-84-Chloroaniline	78000	ប
87-68-3Hexachlorobutadiene	78000	Ū
59-50-74-Chloro-3-Methylphenol_	78000	U
91-57-62-Methylnaphthalene	78000	U
77-47-4Hexachlorocyclopentadiene	78000	U
88-06-22,4,6-Trichlorophenol	120000	
95-95-42,4,5-Trichlorophenol	110000	J
91-58-72-Chloronaphthalene	78000	U
88-74-42-Nitroaniline	380000	Ü
131-11-3Dimethyl Phthalate	78000	ט
208-96-8Acenaphthylene	78000	ט
606-20-22,6-Dinitrotoluene	78000	U
		_

WAB402

Contract: 8270 ) Name: WEYERHAEUSER

Case No.: 06503

SAS No.:

SDG No.: 76378

:rix: (soil/water) SOIL

76379 Lab Sample ID:

2BN10820F

nple wt/vol:

code: WEYER

1.1 (g/mL) G

Lab File ID:

MED (low/med) vel:

08/19/91 Date Received:

Moisture: not dec. 54 Date Extracted: 08/19/91

(SepF/Cont/Sonc)

08/20/91 Date Analyzed:

380000

C Cleanup:

traction:

(Y/N) N

:Hq

dec.

Dilution Factor: 2.0

CONCENTRATION UNITS: 0 (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. 380000 Ü 99-09-2-----3-Nitroaniline\_ Ū 78000 83-32-9----Acenaphthene U 380000 51-28-5----2,4-Dinitrophenol\_

SONC

100-02-7----4-Nitrophenol 78000 132-64-9-----Dibenzofuran 78000 121-14-2----2,4-Dinitrotoluene\_ 78000 84-66-2-----Diethylphthalate 7005-72-3----4-Chlorophenyl-phenylether\_ 78000 86-73-7-----Fluorene 100-10-6-----4-Nitroaniline 534-52-1----4,6-Dinitro-2-Methylphenol

86-30-6----Nitrosodiphenylamine (1) 101-55-3----4-Bromophenyl-phenylether\_ 118-74-1-----Hexachlorobenzene\_ 87-86-5-----Pentachlorophenol\_

85-01-8-----Phenanthrene\_ 120-12-7-----Anthracene 84-74-2-----Di-n-Butylphthalate\_\_\_ 206-44-0-----Fluoranthene\_

129-00-0-----Pyrene 85-68-7----Butylbenzylphthalate 91-94-1----3,37-Dichlorobenzidine 56-55-3----Benzo(a) Anthracene\_

218-01-9-----Chrysene 117-81-7-----bis(2-Ethylhexyl)Phthalate\_ 117-84-0----Di-n-Octyl Phthalate\_

205-99-2----Benzo(b) Fluoranthene 207-08-9-----Benzo(k) Fluoranthene\_ 50-32-8----Benzo(a) Pyrene

193-39-5----Indeno(1,2,3-cd)Pyrene\_ 53-70-3----Dibenz(a,h)Anthracene 191-24-2----Benzo(g,h,i)Perylene\_

(1) - Cannot be separated from Diphenylamine

U U 78000 U 380000 U 380000 Ū 78000 U 78000 U 78000  $\mathbf{E}$ 4500000 U 78000 U 78000 U 78000 U 78000 U 78000 U 78000 160000 U U 78000 U 78000 U 78000 U 78000 U 78000 78000 U U 78000

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1/87 Rev.

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB402

ab Name: WEYERHAEUSER

Contract: 8270

ab Lode: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

atrix: (soil/water) SOIL

Lab Sample ID:

76379

ample wt/vol:

1.1 (g/mL) G

Lab File ID:

2BN10820F

evel: (low/med) MED

Date Received:

08/19/91

Moisture: not dec.

dec.

Date Extracted: 08/19/91

xtraction: (SepF/Cont/Sonc)

54

SONC

Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 2.0

CONCENTRATION UNITS:

umber TICs found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	ENOL, 2,3,4,6-TETRACHLORO-	18.25	710000	JX

WAB402DL

Contract: 8270 Name: WEYERHAEUSER

SDG No.: 76378 SAS No.: Case No.: 06503 Code: WEYER

Lab Sample ID: 76379DL rix: (soil/water) SOIL

2BN10820M Lab File ID: (g/mL) G 1.1 ple wt/vol:

Date Received: 08/19/91 (low/med) MED el:

Date Extracted: 08/19/91 dec. loisture: not dec. 54

Date Analyzed: 08/20/91 SONC (SepF/Cont/Sonc) raction:

Dilution Factor: 16 : Hq (Y/N) N : Cleanup:

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

Q COMPOUND CAS NO. U 620000 108-95-2----Phenol 111-44-4-----bis(2-Chloroethyl)Ether U 620000 U 620000 95-57-8----2-Chlorophenol U 620000 541-73-1----1,3-Dichlorobenzene U 106-46-7----1,4-Dichlorobenzene\_ 620000 620000 U 100-51-6----Benzyl Alcohol 620000 U 95-50-1-----1,2-Dichlorobenzene U 620000 95-48-7----2-Methylphenol 620000 U 39638-32-9----bis(2-Chloroisopropyl)Ether\_ 620000 U 106-44-5----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 620000 U 620000 67-72-1-----Hexachloroethane\_ U 620000 98-95-3----Nitrobenzene U 620000 78-59-1----Isophorone U 620000 88-75-5----2-Nitrophenol U 620000 105-67-9----2,4-Dimethylphenol U 3000000 65-85-0-----Benzoic Acid U 111-91-1-----bis(2-Chloroethoxy)Methane\_ 620000 U 620000 120-83-2----2,4-Dichlorophenol U 620000 120-82-1----1,2,4-Trichlorobenzene\_ U 620000 91-20-3----Naphthalene 620000 U 106-47-8-----4-Chloroaniline U 620000 87-68-3-----Hexachlorobutadiene U 620000 · 59-50-7----4-Chloro-3-Methylphenol U 620000 91-57-6----2-Methylnaphthalene U 77-47-4-----Hexachlorocyclopentadiene\_ 620000 U 620000 88-06-2----2,4,6-Trichlorophenol U 3000000 95-95-4----2,4,5-Trichlorophenol\_ U 620000 91-58-7----2-Chloronaphthalene\_ U 3000000 88-74-4----2-Nitroaniline U 620000 131-11-3-----Dimethyl Phthalate U 620000 208-96-8-----Acenaphthylene U 620000 606-20-2----2,6-Dinitrotoluene

ab Name: WEYERHAEUSER Contract: 8270 WAB402DL

ab de: WEYER

Case No.: 06503 SAS No.:

SDG No.: 76378

atrix: (soil/water) SOIL

Lab Sample ID: 76379DL

ample wt/vol:

1.1 (g/mL) G

Lab File ID: 2BN10820M

wel: (low/med) MED Date Received: 08/19/91

Moisture: not dec.

54 dec. Date Extracted: 08/19/91

xtraction:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N

pH:

Dilution Factor: 16

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 99-09-2----3-Nitroaniline U 3000000 83-32-9----Acenaphthene U 620000 51-28-5----2,4-Dinitrophenol U 3000000 100-02-7----4-Nitrophenol U 3000000 132-64-9-----Dibenzofuran 620000 U 121-14-2----2,4-Dinitrotoluene 620000 U 84-66-2----Diethylphthalate U 620000 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 U 620000 206-44-0----Fluoranthene 620000 U 129-00-0-----Pyrene 620000 U 85-68-7----Butylbenzylphthalate U 620000 91-94-1----3,3'-Dichlorobenzidine 1200000 U 56-55-3-----Benzo(a)Anthracene 620000 U 218-01-9-----Chrysene U 620000 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 U 620000 (1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB402DL

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER Case No.: 06503

SAS No.:

SDG No.: 76378

rix: (soil/water) SOIL

Lab Sample ID:

(g/mL) G 1.1

Lab File ID:

2BN10820M

76379DL

ple wt/vol:

(low/med) MED rel:

Moisture: not dec. 54 dec. Date Received: 08/19/91

Date Extracted: 08/19/91

raction:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 08/20/91

Cleanup:

CAS NUMBER

(Y/N) N

pH:

Dilution Factor: 16

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

mber TICs found:

EST. CONC. RTCOMPOUND NAME

b Name: WEYERHAEUSER Contract: 8270

WAB403

SDG No.: 76378

de: WEYER Case No.: 06503 SAS No.:

trix: (soil/water) SOIL Lab Sample ID: 76380

mple wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10820G

vel: (low/med) MED Date Received: 08/19/81

Moisture: not dec. 30 dec. Date Extracted: 08/19/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

C Cleanup: (Y/N) N pH: Dilution Factor: 1.0

	•	CONCEN	TRATION U	NITS:	
CAS NO.	COMPOUND	(ug/L	or ug/Kg)	UG/KG	Q
			]		1 [
108-95-2			· · · · · · · · · · · · · · · · · · ·	19000	ן ט
111-44-4	bis(2-Chloroet	:hyl)Ether_		19000	ן ט
	2-Chlorophenol		<u> </u>	19000	ע
	1,3-Dichlorobe			19000	ע
106-46-7	1,4-Dichlorobe	enzene		19000	ן ט
	Benzyl Alcohol			19000	ן טן
95-50-1	1,2-Dichlorobe	nzene		19000	ן ט
95-48-7	2-Methylphenol			19000	ן ט
` 39638-32 <b>-</b> 9	bis(2-Chlorois	opropyl)Et	her	19000	ן טן
106-44-5	4-Methylphenol	_ ~ ~ ~ .		19000	ן טן
621-64-7	N-Nitroso-Di-r	-Propylami	ne	19000	<del> </del>
67-72-1	Hexachloroetha	ine		19000	וֹט ו
98-95-3	Nitrobenzene	<del></del>	<del></del>	19000	ĺΰ l
	Isophorone			19000	lŭ l
88-75-5	2-Nitrophenol	······································		19000	ΙŬ
	2,4-Dimethylph	enol	···-	19000	Ŭ
65-85-0	Benzoic Acid			91000	ا قا
	bis(2-Chloroet	hoxy) Metha	ne	19000	ן ט
120-83-2	2,4-Dichloroph	enol		19000	ا تا
120-82-1	1,2,4-Trichlor	chenzene	<del></del> -	19000	ט
91-20-3	Naphthalene	.obenzene		19000	מ
106-47-8	4-Chloroanilir	10		19000	ן מ
	Hexachlorobuta		<del></del>	19000	u
	4-Chloro-3-Met			19000	"
	2-Methylnaphth				1 1
77-47-4	Z-MethyInaphti	arene		19000	<u>u</u>
77-47-4	Hexachlorocycl	opentagien	e	19000	$ \tilde{\Omega} $
88-06-2	2,4,6-Trichlor	obuenoT		19000	ן שַ
95-95-4	2,4,5-Trichlor	.obuenoT		91000	<u>u</u>
91-58-7	2-Chloronaphth	alene		19000	ן ט
	2-Nitroaniline			91000	U
131-11-3	Dimethyl Phtha	ılate		19000	ן ט
	Acenaphthylene		<u></u> [	19000	ן ט
606-20-2	2,6-Dinitrotol	uene		19000	ט [
					_ [

WAB403

b Name: WEYERHAEUSER Contract: 8270

b Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

Lab Sample ID: 76380

trix: (soil/water) SOIL

mple wt/vol:

1.5 (g/mL) G

Lab Sample 15. 76366

Lab File ID: 2BN10820G

vel: (low/med) MED Date Received: 08/19/81

Moisture: not dec. 30 dec. Date Extracted: 08/19/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

C Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS: Q. (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. U 91000 99-09-2----3-Nitroaniline U 19000 83-32-9-----Acenaphthene U 91000 51-28-5-----2,4-Dinitrophenol\_ U 91000 100-02-7----4-Nitrophenol\_ U 19000 132-64-9-----Dibenzofuran\_ U 19000 121-14-2----2,4-Dinitrotoluene U 19000 84-66-2-----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether\_ 19000 U 19000 86-73-7-----Fluorene Ū 91000 100-10-6----4-Nitroaniline U 534-52-1----4,6-Dinitro-2-Methylphenol 91000 U 86-30-6----N-Nitrosodiphenylamine (1) 19000 19000 U 101-55-3----4-Bromophenyl-phenylether\_ U 19000 118-74-1-----Hexachlorobenzene  $\mathbf{E}$ 1400000 87-86-5-----Pentachlorophenol\_ U 19000 85-01-8-----Phenanthrene U 19000 120-12-7-----Anthracene U 84-74-2-----Di-n-Butylphthalate\_ 19000 U 19000 206-44-0-----Fluoranthene U 19000 129-00-0-----Pyrene U 19000 85-68-7-----Butylbenzylphthalate U 38000 91-94-1----3,37-Dichlorobenzidine\_ U 19000 56-55-3----Benzo(a)Anthracene\_ U 19000 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)Phthalate\_ 19000 U 19000 117-84-0-----Di-n-Octyl Phthalate U 19000 205-99-2----Benzo(b)Fluoranthene\_ U 19000 207-08-9----Benzo(k) Fluoranthene IJ 19000 50-32-8-----Benzo(a) Pyrene U 193-39-5----Indeno (1,2,3-cd) Pyrene\_ 19000 U 19000 53-70-3-----Dibenz (a,h) Anthracene\_\_\_\_ U 19000 191-24-2----Benzo(g,h,i)Perylene\_\_\_ (1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB403

b Name: WEYERHAEUSER

Contract: 8270

b de: WEYER Case No.: 06503 SAS No.:

SDG No.: 76378

trix: (soil/water) SOIL

Lab Sample ID: 76380

mple wt/vol:

1.5 (g/mL) G Lab File ID: 2BN10820G

vel: (low/med) MED

Date Received: 08/19/81

Moisture: not dec. 30

dec.

Date Extracted: 08/19/91

traction: (SepF/Cont/Sonc)

SONC

Date Analyzed: 08/20/91

C Cleanup: (Y/N) N

pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:

mber TICs found:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	PHENOL, 2,3,4,6-TETRACHLORO- DIBENZO[B,E][1,4]DIOXIN, OCT			JX JX

SDG No.: 76378

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB403DL

Contract: 8270 o Name: WEYERHAEUSER

Case No.: 06503 o Code: WEYER

SAS No.:

Lab Sample ID: 76380DL trix: (soil/water) SOIL

2BN10822D Lab File ID: 1.5 (g/mL) G mple wt/vol:

08/19/91 Date Received: (low/med) MED vel:

Date Extracted: 08/19/91 dec. Moisture: not dec. 30

Date Analyzed: 08/22/91 SONC (SepF/Cont/Sonc) traction:

Dilution Factor: 8.0 C Cleanup: (Y/N) N :Hq

CONCENTRATION UNITS: Q (ug/L or ug/Kg) UG/KG COMPOUND CAS NO. 150000 108-95-2----Phenol U 111-44-4-----bis(2-Chloroethyl)Ether\_ 150000 U 150000 95-57-8----2-Chlorophenol U 150000 541-73-1----1,3-Dichlorobenzene U 150000 106-46-7----1,4-Dichlorobenzene\_ U 150000 100-51-6----Benzyl Alcohol U 150000 95-50-1-----1,2-Dichlorobenzene U 150000 95-48-7----2-Methylphenol U 39638-32-9----bis(2-Chloroisopropyl)Ether\_ 150000 U 150000 106-44-5----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 150000 U 150000 67-72-1-----Hexachloroethane\_\_ U 150000 98-95-3----Nitrobenzene U 150000 78-59-1----Isophorone U 150000 88-75-5----2-Nitrophenol U 150000 105-67-9----2,4-Dimethylphenol U 730000 65-85-0-----Benzoic Acid U 111-91-1----bis(2-Chloroethoxy)Methane 150000 U 150000 120-83-2----2,4-Dichlorophenol U 120-82-1----1,2,4-Trichlorobenzene 150000 U 150000 91-20-3----Naphthalene U 150000 106-47-8----4-Chloroaniline U 150000 87-68-3-----Hexachlorobutadiene U 150000 59-50-7----4-Chloro-3-Methylphenol\_ U 150000 91-57-6----2-Methylnaphthalene U 150000 77-47-4-----Hexachlorocyclopentadiene\_ U 150000 88-06-2----2,4,6-Trichlorophenol U 730000 95-95-4-----2,4,5-Trichlorophenol\_ U 150000 91-58-7----2-Chloronaphthalene\_ U 730000 88-74-4----2-Nitroaniline U 150000 131-11-3-----Dimethyl Phthalate IJ 150000 208-96-8-----Acenaphthylene\_ U 150000 606-20-2----2,6-Dinitrotoluene

10

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

wab Name: WEYERHAEUSER Contract: 8270

boode: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

trix: (soil/water) SOIL Lab Sample ID: 76380DL

mple wt/vol: 1.5 (g/mL) G Lab File ID: 2BN10822D

svel: (low/med) MED Date Received: 08/19/91

Moisture: not dec. 30 dec. Date Extracted: 08/19/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/22/91

C Cleanup: (Y/N) N pH: Dilution Factor: 8.0

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

730000 99-09-2----3-Nitroaniline 150000 IJ 83-32-9----Acenaphthene U 730000 51-28-5----2,4-Dinitrophenol\_\_\_\_ 100-02-7----4-Nitrophenol U 730000 U 150000 132-64-9-----Dibenzofuran U 121-14-2----2,4-Dinitrotoluene 150000 U 150000 84-66-2----Diethylphthalate 7005-72-3----4-Chlorophenyl-phenylether 150000 U U 150000 86-73-7-----Fluorene 100-10-6----4-Nitroaniline U 730000 730000 U 534-52-1----4,6-Dinitro-2-Methylphenol\_ U 86-30-6----N-Nitrosodiphenylamine (1)\_ 150000 150000 U 101-55-3----4-Bromophenyl-phenylether U 118-74-1-----Hexachlorobenzene 150000 1900000 D 87-86-5----Pentachlorophenol\_\_\_ 150000 U 85-01-8-----Phenanthrene U 150000 120-12-7-----Anthracene U 150000 84-74-2----Di-n-Butylphthalate\_\_\_\_\_ U 150000 206-44-0----Fluoranthene\_\_\_\_ U 150000 129-00-0----Pyrene 85-68-7-----Butylbenzylphthalate 150000 U 300000 U 91-94-1----3,3'-Dichlorobenzidine U 56-55-3----Benzo(a)Anthracene\_\_\_\_ 150000 150000 U 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)Phthalate 150000 U 117-84-0-----Di-n-Octyl Phthalate\_\_\_\_ 150000 205-99-2----Benzo(b) Fluoranthene U 150000 U 207-08-9----Benzo(k)Fluoranthene\_ 150000 U 50-32-8-----Benzo (a) Pyrene 150000 Ü 193-39-5----Indeno(1,2,3-cd)Pyrene 150000 U 150000 53-70-3----Dibenz(a,h)Anthracene\_\_\_\_ 150000 U 191-24-2----Benzo(q,h,i) Perylene\_\_\_\_

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WAB403DL

b Name: WEYERHAEUSER

Contract: 8270

b Code: WEYER Case No.: 06503

SAS No.:

SDG No.: 76378

trix: (soil/water) SOIL

Lab Sample ID:

76380DL

1.5 (g/mL) G

Lab File ID:

2BN10822D

mple wt/vol:

vel:

(low/med) MED Date Received: 08/19/91

Moisture: not dec.

dec.

Date Extracted: 08/19/91

traction:

(SepF/Cont/Sonc)

30

SONC

Date Analyzed: 08/22/91

C Cleanup: (Y/N) N

CAS NUMBER

pH:

Dilution Factor: 8.0

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

imber TICs found:

EST. CONC. RTCOMPOUND NAME

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB404

b Name: WEYERHAEUSER Contract: 8270

b Lode: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

trix: (soil/water) SOIL Lab Sample ID: 76381

ample wt/vol: 1.0 (g/mL) G Lab File ID: 2BN10820H

evel: (low/med) MED Date Received: 08/19/91

Moisture: not dec. 15 dec. Date Extracted: 08/19/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

\*C 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) og/kg	Q
			<u> </u>
108-95-2	Phenol	23000	ū
111-44-4	bis(2-Chloroethyl)Ether	23000	ָטַ עַ
95-57-8	2-Chlorophenol	23000	<u>"</u>
541-73-1	1,3-Dichlorobenzene	23000	U
106-46-7	1,3-Dichlorobenzene	23000	U
100-51-6	Renzvl Alcohol		U
95-50-1	1,2-Dichlorobenzene	23000	טן
95-48-7	2-Methylphenol	23000	U
39638-32-9-	2-Methylphenol bis(2-Chloroisopropyl)Ether 4-Methylphenol	23000	ប
106-44-5	4-Methylphenol	23000	U
621-64-7	N-Nitroso-Di-n-Propylamine	23000	U
67-72-1	Hexachloroethane	23000	ប
98-95-3	Nitrobenzene	23000	ប
	Isophorone	23000	U
88-75-5	2-Nitrophenol	23000	ប
105-67-9	2,4-Dimethylphenol	23000	U
65-85-0	Benzoic Acid	110000	U
111-01-1	bis(2-Chloroethoxy)Methane	<del></del>   23000	U
120-03-2	2,4-Dichlorophenol	23000	U
120-03 2	1,2,4-Trichlorobenzene	23000	U
120-02-1	Naphthalene	23000	υ
106-47-9	4-Chloroaniline	23000	ប
07-60-3	Hexachlorobutadiene	23000	U
67-68-3	4-Chloro-3-Methylphenol	23000	ט
01 57 6	2-Methylnaphthalene	23000	ប
91-57-62	Hexachlorocyclopentadiene_		U
7/-4/-4	2,4,6-Trichlorophenol	23000	ប
88-06-2	2,4,5-Trichlorophenol		ប
95-95-4	2-Chloronaphthalene		บ
91-58-/	2-Chioronaphthalene	110000	U
88-74-4	Dimethyl Dhthalate		ΰ
131-11-3	Dimethyl Phthalate	— 23000 23000	Ü
208-96-8	Acenaphthylene	<u> </u>	บั
606-20-2	2,6-Dinitrotoluene		١٥

**WAB404** 

2BN10820H

Lab File ID:

Contract: 8270 b Name: WEYERHAEUSER

b Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

76381

Lab Sample ID: trix: (soil/water) SOIL

mple wt/vol: 1.0 (g/mL) G Date Received: 08/19/91

(low/med) MED vel:

Date Extracted: 08/19/91 Moisture: not dec. 15 dec.

(SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91 traction:

Dilution Factor: 1.0 C Cleanup: (Y/N) N pH:

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

CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	Q	
					1	1
	3-Nitroaniline			110000	ប	
83-32-9	Acenaphthene			23000	ū	
51-28-5	2,4-Dinitrophe	nol		110000	U	
100-02-7	4-Nitrophenol_			110000	ū	
132-64-9	Dibenzofuran			23000	U	
121-14-2	2,4-Dinitrotol	uene		23000	ប	i
84-66-2	Diethylphthala	te		23000	U	
7005-72-3	4-Chlorophenyl	-phenylether_	I · .	23000	ប្រ	- 1
86-73-7	Fluorene			23000	ប	- 1
100-10-6	4-Nitroaniline			110000	ប	ì
534-52-1	4.6-Dinitro-2-	Methylphenol		110000	U	
86-30-6	N-Nitrosodiphe	nylamine (1)_	<u>_</u> }	23000	U	- 1
101-55-3	4-Bromophenyl-	phenylether		23000	[ប	- 1
118-74-1	Hexachlorobenz	ene	1	23000	Įυ	1
87-86-5	Pentachlorophe	nol	·	24000	J	
85-01-8	Phenanthrene			23000	U	I
120-12-7	Anthracene			23000	ប	
84-74-2	Di-n-Butylphth	alate	<u> </u>	23000	ט	
206-44-0				23000	ט	- 1
129-00-0				23000	שׁ	- 1
85-68-7	Butylbenzylpht	halate		23000	ַטן	- 1
91-94-1	3,3'-Dichlorok	enzidine		47000	U	- 1
56-55-3	Benzo(a)Anthra	cene		23000	<b>ט</b>	- 1
218-01-9	Chrysene	·	<del></del>	23000	ש	1
117-81-7	bis(2-Ethylhex	vl)Phthalate		23000	U	
117-84-0	Di-n-Octyl Pht	halate		23000	ប	
	Benzo(b)Fluora			23000	ן ט	ı
207-08-9	Benzo(k)Fluora	nthene		23000	ប	
	Benzo(a) Pyrene			23000	U	1
193-39-5	Indeno(1,2,3-c	d) Pyrene		23000	U	- 1
53-70-3	Dibenz(a,h)Ant	hracene		23000	U	
191-24-2	Benzo(q,h,i)Pe	rylene		23000	ט	
]		l'abandanino			_	

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB404

b Name: WEYERHAEUSER

Contract: 8270

b Lde: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

trix: (soil/water) SOIL

76381

1.0 (g/mL) G

Lab File ID:

2BN10820H

mple wt/vol:

vel: (low/med) MED

Date Received:

Lab Sample ID:

08/19/91

Moisture: not dec.

15

Date Extracted: 08/19/91

traction:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 08/20/91

C Cleanup: (Y/N) N

CAS NUMBER

pH:

dec.

Dilution Factor: 1.0

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

umber TICs found:

COMPOUND NAME

RT

EST. CONC.

1/87 Rev.

Contract: 8270 Name: WEYERHAEUSER

WAB405

SDG No.: 76378

SAS No.: Case No.: 06503 Code: WEYER

Lab Sample ID: 76382 trix: (soil/water) SOIL

2BN10820I Lab File ID: (g/mL) G nple wt/vol: 1.3

08/19/91 Date Received: (low/med) MED vel:

Date Extracted: 08/19/91 dec. Moisture: not dec. 20

Date Analyzed: 08/20/91 SONC (SepF/Cont/Sonc) traction:

Dilution Factor: 1.00 pH: C Cleanup: (Y/N) N

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

Q CAS NO. U 19000 108-95-2----Phenol 111-44-4----bis(2-Chloroethyl)Ether\_ 19000 U U 19000 95-57-8----2-Chlorophenol U 19000 541-73-1----1,3-Dichlorobenzene U 19000 106-46-7-----1,4-Dichlorobenzene 19000 U 100-51-6-----Benzyl Alcohol U 95-50-1-----1,2-Dichlorobenzene 19000 U 19000 95-48-7----2-Methylphenol U 39638-32-9----bis(2-Chloroisopropyl)Ether\_ 19000 U 19000 106-44-5-----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine\_ 19000 U 19000 67-72-1-----Hexachloroethane\_ U 19000 98-95-3-----Nitrobenzene U 19000 78-59-1-----Isophorone U 19000 88-75-5----2-Nitrophenol U 19000 105-67-9-----2,4-Dimethylphenol U 92000 65-85-0-----Benzoic Acid 111-91-1-----bis(2-Chloroethoxy)Methane 19000 U U 19000 120-83-2----2,4-Dichlorophenol 120-82-1----1,2,4-Trichlorobenzene\_ U 19000 U 19000 91-20-3----Naphthalene U 19000 106-47-8-----4-Chloroaniline U 19000 87-68-3-----Hexachlorobutadiene U 19000 59-50-7----4-Chloro-3-Methylphenol\_ U 19000 91-57-6----2-Methylnaphthalene U 77-47-4----Hexachlorocyclopentadiene 19000 U 19000 88-06-2----2,4,6-Trichlorophenol U 92000 95-95-4----2,4,5-Trichlorophenol\_ U 19000 91-58-7----2-Chloronaphthalene\_ U 92000 88-74-4----2-Nitroaniline U 19000 131-11-3-----Dimethyl Phthalate U 19000 208-96-8-----Acenaphthylene U 19000 606-20-2----2,6-Dinitrotoluene\_

b Name: WEYERHAEUSER Contract: 8270 WAB405

b de: WEYER Case No.: 06503

SAS No.:

SDG No.: 76378

trix: (soil/water) SOIL

Lab Sample ID: 76382

mple wt/vol: 1.3 (g/mL) G

Lab File ID: 2BN10820I

Q

vel: (low/med) MED

Date Received: 08/19/91

Moisture: not dec. 20 dec.

CAS NO.

Date Extracted: 08/19/91

traction: (SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

C Cleanup: (Y/N) N

pH:

COMPOUND

Dilution Factor: 1.00

CONCEN	TRA	ATION U	NITS:
(ug/L	or	ug/Kg)	UG/KG

99-09-23-Nitroaniline	92000	ַט
B3-32-9Acenaphthene	19000	ט
51-28-52,4-Dinitrophenol	92000	ט
100-02-74-Nitrophenol	92000	U
132-64-9Dibenzofuran	19000	ט
121-14-22,4-Dinitrotoluene B4-66-2Diethylphthalate	19000	ש
B4-66-2Diethylphthalate	19000	U
7005-72-34-Chlorophenyl-phenylether	19000	U
36-73-7Fluorene	19000	U
100-10-64-Nitroaniline	92000	บ
534-52-14,6-Dinitro-2-Methylphenol	92000	ן ט
36-30-6N-Nitrosodiphenvlamine (1)	19000	ט
101-55-34-Bromophenyl-phenylether	19000	ט
l18-74-1Hexachlorobenzene	19000	ט
37-86-5Pentachlorophenol	620000	E
35-01-8Phenanthrene	19000	U
120-12-7Anthracene	19000	บ
34-74-2Di-n-Butylphthalate	19000	U
206-44-0Fluoranthene	19000	<b>ט</b>
.29-00-0Pyrene	19000	U
35-68-7Butylbenzylphthalate	19000	ט
01-94-13,3'-Dichlorobenzidine	38000	ט
66-55-3Benzo(a)Anthracene	19000	טן
218-01-9Chrysene	51000	В
.17-81-7bis(2-Ethylhexyl)Phthalate	19000	טן
17-84-0Di-n-Octyl Phthalate	19000	ט
205-99-2Benzo(b) Fluoranthene	19000	ט
207-08-9Benzo(k)Fluoranthene	19000	ן ט
50-32-8Benzo(a)Pyrene	19000	ש
.93-39-5Indeno(1,2,3-cd)Pyrene	19000	ប
3-70-3Dibenz(a,h)Anthracene	19000	ט
.91-24-2Benzo(g,h,i)Perylene	1900 <b>0</b>	שׁ

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

**WAB405** 

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER Case No.: 06503 SAS No.:

SDG No.: 76378

crix: (soil/water) SOIL

76382 Lab Sample ID:

1.3 (g/mL) G

Lab File ID:

2BN10820I

1

uple wt/vol:

vel:

(low/med) MED

Date Received: 08/19/91

Moisture: not dec. 20

dec.

Date Extracted: 08/19/91

traction:

(SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

C Cleanup: (Y/N) N

pH:

Dilution Factor: 1.00

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

mber TICs found:

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	·Q	
2. 10463-10-2 3.	PHENOL, 2,3,4,6-TETRACHLORO-BENZENE, PENTACHLOROETHOXY-UNKNOWNUNKNOWNDIBENZO[B,E][1,4]DIOXIN, OCT	32.66 32.97	34000 7600 20000 22000 34000	JX JX JX JX	-

Contract: 8270 ab Name: WEYERHAEUSER

WAB405DL

ab code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

atrix: (soil/water) SOIL Lab Sample ID: 76382DL

ample wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10822B

evel: (low/med) MED Date Received: 08/19/91

Moisture: not dec. 20 dec. Date Extracted: 08/21/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/22/91

Dilution Factor: 4.0 PC Cleanup: (Y/N) N pH:

			CONCENTRATION (	JNITS:		
	CAS NO.	COMPOUND	(ug/L or ug/Kg)	) UG/KG	Q	
	1	•	1		1	1
	108-95-2	-Phenol		76000	ן מ	
		-bis(2-Chloroethyl	) Ether	76000	Ū	
	95-57-8	-2-Chlorophenol		76000	ן ת	İ
		-1,3-Dichlorobenze	ene	76000	ן ט	
	106-46-7	-1,4-Dichlorobenze	ne	76000	Ū	
	100-51-6	-Benzyl Alcohol	i	76000	บ	ı
		-1,2-Dichlorobenze	ne	76000	Ū	
	95-48-7	-2-Methylphenol		76000	υ	ĺ
	39638-32-9	-bis(2-Chlorois <del>op</del> r	opyl)Ether	76000	บ	ĺ
	106-44-5	-4-Methylphenol		76000	บ	ĺ
	621-64-7	-N-Nitroso-Di-n-Pr	opylamine	76000	ט	ĺ
	67-72-1	-Hexachloroethane_		76000	ן ט	ĺ
	98-95-3	-Nitrobenzene $^-$		76000	ט	ĺ
	78-59-1	-Isophorone		76000	ט	ĺ
	88-75-5			76000	U	
	105-67-9	-2,4-Dimethylpheno	51	76000	ט	
	65-85-0	-Benzoic Acid		370000	ט	
į	111-91-1	-bis(2-Chloroethox	y) Methane	76000	ט	l
	120-83-2	-2,4-Dichloropheno	<u> </u>	76000	ן ט	İ
j	120-82-1	-1,2,4-Trichlorobe	enzene	76000	ן ט	
	91-20-3	-Naphthalene		76000	U	ł
	106-47-8	-4-Chloroaniline		76000	ט	l
	87-68-3	-Hexachlorobutadie	ene	76000	ט	l
		-4-Chloro-3-Methyl		76000	ប	
	91-57-6	-2-Methylnaphthale	ene	76000	ן ט	l
	77-47-4	-Hexachlorocyclope	ntadiene	76000	ן ט	l
	88-06-2	-2,4,6-Trichloroph	enol	76000	[บ	
	95-95-4	-2,4,5-Trichloroph	enol	370000	ן ט	l
	91-58-7	-2-Chloronaphthale	ne	76000	ן ט	
	88-74-4	-2-Nitroaniline		370000	ט	l
	131-11-3	-Dimethyl Phthalat	.e	76000	ן ט	l
	208-96-8	-Acenaphthylene		76000	ט	ĺ
	606-20-2	-2,6-Dinitrotoluer	ie	76000	U	l
					, ,	1

WAB405DL

Name: WEYERHAEUSER Contract: 8270

Code: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

rix: (soil/water) SOIL Lab Sample ID: 76382DL

nple wt/vol: 1.3 (g/mL) G Lab File ID: 2BN10822B

vel: (low/med) MED Date Received: 08/19/91

Moisture: not dec. 20 dec. Date Extracted: 08/21/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/22/91

Dilution Factor: 4.0

C Cleanup: (Y/N) N pH: Dilution Factor: 4.0

(ug/L or ug/Kg) UG/KG Q COMPOUND CAS NO. U 370000 99-09-2----3-Nitroaniline\_ U 76000 83-32-9-----Acenaphthene U 370000 51-28-5----2,4-Dinitrophenol\_ U 370000 100-02-7----4-Nitrophenol\_ 76000 U 132-64-9-----Dibenzofuran U 76000 121-14-2----2,4-Dinitrotoluene\_ U 76000 84-66-2----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether\_ 76000 U 76000 86-73-7----Fluorene U 370000 100-10-6-----4-Nitroaniline U 534-52-1-----4,6-Dinitro-2-Methylphenol 370000 U 76000 86-30-6----N-Nitrosodiphenylamine (1) U 101-55-3----4-Bromophenyl-phenylether\_ 76000 U 76000 118-74-1-----Hexachlorobenzene\_ D 590000 87-86-5-----Pentachlorophenol\_ U 76000 85-01-8-----Phenanthrene\_ U 76000 120-12-7-----Anthracene U 76000 84-74-2-----Di-n-Butylphthalate\_\_\_ U 76000 206-44-0-----Fluoranthene U 76000 129-00-0-----Pyrene U 76000 85-68-7-----Butylbenzylphthalate U 150000 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_ U 76000 56-55-3-----Benzo(a)Anthracene\_ BDJ 47000 218-01-9-----Chrysene Ü 117-81-7-----bis(2-Ethylhexyl)Phthalate\_ 76000 U 76000 117-84-0-----Di-n-Octyl Phthalate\_ U 76000 205-99-2----Benzo(b) Fluoranthene\_ U 76000 207-08-9----Benzo(k)Fluoranthene\_ U 76000 50-32-8-----Benzo(a) Pyrene U 76000 193-39-5----Indeno (1, 2, 3-cd) Pyrene\_ U 76000 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_ U 76000 191-24-2----Benzo(g,h,i)Perylene\_

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

D Name: WEYERHAEUSER

Contract: 8270

WAB405DL

de: WEYER Case No.: 06503

SAS No.:

SDG No.: 76378

trix: (soil/water) SOIL

mple wt/vol:

1.3 (g/mL) G Lab File ID:

Lab Sample ID:

2BN10822B

20

Moisture: not dec.

wel: (low/med) MED

dec.

Date Received: 08/19/91

76382DL

straction:

(SepF/Cont/Sonc) SONC

Date Extracted: 08/21/91

Date Analyzed: 08/22/91

°C Cleanup: (Y/N) N

pH:

Dilution Factor: 4.0

CONCENTRATION UNITS:

amber TICs found:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
*** <b>========</b>		=======		
				İ

**WAB406** 

Contract: 8270 o Name: WEYERHAEUSER

SDG No.: 76378 o Code: WEYER Case No.: 06503 SAS No.:

76383 Lab Sample ID: trix: (soil/water) SOIL

Lab File ID: 2BN10820J mple wt/vol: 1.2 (g/mL) G

Date Received: 08/19/91 vel: (low/med) MED

Date Extracted: 08/19/91 Moisture: not dec. 26 dec.

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

Dilution Factor: 1.00 pH: C Cleanup: (Y/N) N

CONCENTRATION UNITS:

C	ONCENTRATION (	NITS:	_
COMPOUND (1	ug/L or ug/Kg	UG/KG	Q
· ·	1	22000	   ប
Phenol			บี
bis (2-Chioroethy-)-	ther		บ
Chiorophenoi			บ
1 3-01Cnloropenzene		<del>-</del> -	υ
1,4-Dichionenzenc		<del>-</del> -	บี
Renzvi Alconoi		<del>-</del>	บั
1.2-Dichlorobenzene			บี
		<del>-</del> -	บ
bis(2-Chloroisoprop	yl)Ether	<del></del>	υ
4-Methylphenol			1
N_N i troso-bl-n-r. or	ylamine		υ
Heyachloroethane			U
Nitrohenzene			U
Tcophorone		-	U
2 Witrophenol		-	U
2 4 Dimothylphenol			שׁן
z,4-bimechyrphenor_		110000	U
Benzoic Acid	Methane	22000	U
bis (2-chioroechoxy)		22000	U
		22000	U
1,2,4-Trichtoropen	Zerie	22000	U
Naphtharene		22000	U ·
4-Chioroaniiine _		22000	ប
Hexachlorobutagiene			υ
	Terror		U
Mothy I naphthalem	E1		Ū
Hexachtorocycroben	Caurene		J
2.4.6-Trichiorophe	1101		J
2 4,5-Trichiorophe.	1101	_	Ü
2-Chioronaphthaien	e		υ
2-Witroaniline			าซ
Dimethyl Phthalate			ט
Acenaphtnylene			Ü
6-Dinitrotoluene	. <b> </b>	22000	١٥
	COMPOUND Phenolbis(2-Chloroethyl)E2-Chlorophenol1,3-Dichlorobenzene1,4-DichlorobenzeneBenzyl Alcohol1,2-Dichlorobenzene2-Methylphenolbis(2-Chloroisoprop4-MethylphenolNitroso-Di-n-PropHexachloroethaneIsophorone2-Nitrophenol2,4-Dimethylphenol2,4-Dimethylphenol2,4-Trichlorobens1,2,4-Trichlorobens	COMPOUND (ug/L or ug/Kg)Phenolbis(2-Chloroethyl)Ether2-Chlorophenol1,3-Dichlorobenzene1,4-DichlorobenzeneBenzyl Alcohol1,2-Dichlorobenzene2-Methylphenol4-MethylphenolNitroso-Di-n-PropylamineHexachloroethaneIsophorone2-Nitrophenol2,4-Dimethylphenol2,4-Dimethylphenol2,4-Trichlorophenol1,2,4-TrichlorobenzeneNaphthalene4-Chloro-3-Methylphenol2-Methylnaphthalene4-Chloro-3-Methylphenol2,4-Trichlorophenol2,4,5-Trichlorophenol2,4,5-Trichlorophenol2-Nitroaniline2-Nitroaniline2-Nitroaniline2-Nitroaniline2-Nitroaniline2-Nitroaniline2-Nitroaniline2-Nitroaniline	Phenol

76383

2BN10820J

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

1.2 (g/mL) G

mple wt/vol:

**WAB406** Contract: 8270 ⇒ Name: WEYERHAEUSER

Lab File ID:

b Lode: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

Lab Sample ID: %rix: (soil/water) SOIL

Date Received: 08/19/91 (low/med) MED vel:

Moisture: not dec. 26 dec. Date Extracted: 08/19/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

Dilution Factor: 1.00 C Cleanup: (Y/N) N :Hq

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

	İ	
99-09-23-Nitroaniline	110000	U
83-32-9Agenaphthene	22000	lυ
51-28-52,4-Dinitrophenol	110000	ប
100-02-74-Nitrophenol	110000	ប
132-64-9Dibenzofuran	22000	ប
121-14-22,4-Dinitrotoluene	22000	ប
84-66-2Diethylphthalate	22000	ប
7005-72-34-Chlorophenyl-phenylether	22000	ប
86-73-7Fluorene	22000	ប
100-10-64-Nitroaniline	110000	ប
534-52-14,6-Dinitro-2-Methylphenol	110000	ប
86-30-6N-Nitrosodiphenylamine (1)	22000	ប
101-55-34-Bromophenyl-phenylether	22000	ប
118-74-1Hexachlorobenzene	, 22000	[ប
87-86-5Pentachlorophenol	1600000	E
85-01-8Phenanthrene	22000	ប
120-12-7Anthracene	22000	U
84-74-2Di-n-Butylphthalate	22000	ט
206-44-0Fluoranthene	22000	ប
129-00-0Pyrene	22000	ן ט
85-68-7Butylbenzylphthalate	22000	ן ט
91-94-13,3'-Dichlorobenzidine	45000	ן ט
56-55-3Benzo(a)Anthracene	22000	ט
218-01-9Chrysene	2900	BJ
117-81-7bis(2-Ethylhexyl)Phthalate	22000	ט
117-84-0Di-n-Octyl Phthalate	22000	ט
205-99-2Benzo(b) Fluoranthene	22000	U
207-08-9Benzo(k)Fluoranthene	22000	U
50-32-8Benzo(a) Pyrene	22000	U
193-39-5Indeno(1,2,3-cd)Pyrene	22000	U
53-70-3Dibenz(a,h)Anthracene	22000	U
191-24-2Benzo(g,h,i)Perylene	22000	ט
		_

(1) - Cannot be separated from Diphenylamine

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB406

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

:rix: (soil/water) SOIL

Lab Sample ID:

76383

(g/mL) G 1.2

Lab File ID:

2BN10820J

ple wt/vol:

rel:

(low/med) MED

Date Received: 08/19/91

Moisture: not dec. 26

dec.

Date Extracted: 08/19/91

:raction:

(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

mber TICs found:

!		7000	EST. CONC.	0	İ
CAS NUMBER	COMPOUND NAME	RT	EST: CONC.	====	
1. 58-90-2	PHENOL, 2,3,4,6-TETRACHLORO-	18.24	140000	JX	
1. 20 20 2				ا ــــــــــــــــــــــــــــــــــــ	i

WAB406DL

ab Name: WEYERHAEUSER Contract: 8270

ab de: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

atrix: (soil/water) SOIL Lab Sample ID: 76383DL

mple wt/vol: 1.2 (g/mL) G Lab File ID: 2BN10822C

avel: (low/med) MED Date Received: 08/19/91

Moisture: not dec. 26 dec. Date Extracted: 08/19/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/22/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 8.0

CONCENTRATION UNITS:

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

	, -, ,	
108-95-2Phenol	180000	U
111-44-4bis(2-Chloroethyl)Ether	180000	Ü
95-57-82-Chlorophenol	180000	Ü
541-73-11,3-Dichlorobenzene	180000	Ü
106-46-71,4-Dichlorobenzene	180000	ϋ
100-51-6Benzyl Alcohol	180000	บ็
95-50-11,2-Dichlorobenzene	180000	Ü
95-48-72-Methylphenol	180000	Ü
39638-32-9bis(2-Chloroisopropyl)Ether_	180000	Ŭ
106-44-54-Methylphenol	180000	Ü
621-64-7N-Nitroso-Di-n-Propylamine	180000	Ū ·
67-72-1Hexachloroethane	180000	บ
98-95-3Nitrobenzene	180000	Ιΰ
78-59-1Isophorone	180000	Ū
88-75-52-Nitrophenol	180000	ΙŪ
105-67-92,4-Dimethylphenol	180000	lΰ
65-85-0Benzoic Acid	870000	Ū
111-91-1bis(2-Chloroethoxy) Methane	180000	Ū
120-83-22,4-Dichlorophenol	180000	ΙŪ
120-82-11,2,4-Trichlorobenzene	180000	υ
91-20-3Naphthalene	180000	U
106-47-84-Chloroaniline	180000	U
87-68-3Hexachlorobutadiene	180000	ប
59-50-74-Chloro-3-Methylphenol	180000	U
91-57-62-Methylnaphthalene	180000	U
77-47-4Hexachlorocyclopentadiene	180000	U
88-06-22,4,6-Trichlorophenol	180000	U
95-95-42,4,5-Trichlorophenol	870000	U
91-58-72-Chloronaphthalene	180000	U
88-74-42-Nitroaniline	870000	υ
131-11-3Dimethyl Phthalate	180000	υ
208-96-8Acenaphthylene	180000	ַ ט
606-20-22,6-Dinitrotoluene	180000	U
•		_[

Contract: 8270

WAB406DL

Code: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

crix: (soil/water) SOIL

Name: WEYERHAEUSER

76383DL Lab Sample ID:

uple wt/vol:

1.2 (g/mL) G

Lab File ID:

2BN10822C

(low/med) MED

Date Received: 08/19/91

Moisture: not dec. 26

dec.

Date Extracted: 08/19/91

traction:

vel:

(SepF/Cont/Sonc)

SONC Date Analyzed: 08/22/91

C Cleanup: (Y/N) N

pH:

Dilution Factor: 8.0

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	Q
-			, .		1
00-00-2	3-Nitroaniline_			870000	ŭ
02.22.0	acenaphthene			180000	Ū
51-28-5	2,4-Dinitropheno	)1		870000	Ü
100-02-7	4-Nitrophenol			870000	U
122-64-0	Dibenzofuran			180000	1 - 1
121-14-2	2,4-Dinitrotolue	ene		180000	TT
	DiathulmhthalaTf	2		180000	ן ע
7005-72-3	4-Chlorophenyl-	henylether		180000	U
86-73-7	Fluorene			180000	U
400 40 6	Nitroanilina			870000	U
CO4 CO 1	<i>A 6</i> -Dinitro-2-M	thylphenol		870000	UU
06-30-6	N-Nitrosogipnen	ATOMITIC (T)	I	180000	
101-55-3	4-Bromophenyl-p	nenylether_		180000	U
118-74-1	Hexachlorobenze	ne		180000	ū
27-26-5	Pentachlorophen	ol		2300000	D
25-01-8	Phenanthrene			180000	ū
120-12-7	Anthracene		[	180000	ם
24-74-2	Di-n-Butylphtha	late		180000	<u>ַ</u> עַ
306-44-0	Fluoranthene	<del></del>		180000	U
120 00-0	Durene			180000	<u>υ</u> .
129-00-0	Butylbenzylphth	alate		180000	טַ
85-66-7	3,3'-Dichlorobe	nzidine		360000	ַ ט
91-94-1	Benzo(a)Anthrac	ene		180000	U
0.00				180000	U
218-01-9	bis(2-Ethylhexy	1)Phthalate		180000	ן ט
117-81-7	Dis(2 Editation)	alate		180000	U
117-84-0	Benzo(b)Fluoran	thene		180000	U
205-99-2	Benzo(k)Fluoran	thene		180000	ប
207-08-9				180000	Ü
50-32-8	Benzo(a) Pyrene_ Indeno(1,2,3-cd	) Pyrene		180000	U
T93-39-5	Dibenz (a, h) Anth	racene		180000	U
53-70-3	Benzo(g,h,i)Per	vlene		180000	υ
191-24-2	belizo(g,n,1) rei	1			_1
	a samarated from Di	phenylamine	<u> </u>		

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB406DL

ab Name: WEYERHAEUSER

Contract: 8270

ab de: WEYER

Case No.: 06503

SAS No.:

SDG No.: 76378

atrix: (soil/water) SOIL

Lab Sample ID:

ample wt/vol:

1.2 (g/mL) G

Lab File ID:

2BN10822C

76383DL

evel: (low/med) MED

Date Received:

08/19/91

Moisture: not dec. 26 dec.

Date Extracted: 08/19/91

xtraction:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 08/22/91

PC Cleanup: (Y/N) N

CAS NUMBER

pH:

Dilution Factor: 8.0

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

amber TICs found:

COMPOUND NAME

EST. CONC.

FORM I SV-TIC

1/87 Rev.

EPA SAMPLE NO.

SBLKS1

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER Case No.: 06503 SAS No.:

SDG No.: 76378

rix: (soil/water) SOIL

Lab Sample ID: SBLKS1

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

Lab File ID: 2BN10820D

el: (low/med) MED

Date Received:

oisture: not dec. dec.

Date Extracted: 08/19/91

raction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	Q 
108-95-2 111-44-4 95-57-8 541-73-1 106-46-7 95-50-1 95-48-7 39638-32-9 106-44-5 621-64-7 98-95-3 78-59-1 88-75-5 105-67-9 111-91-1 120-83-2	Phenolbis(2-Chloroethyl2-Chlorophenol1,3-Dichlorobenze1,4-DichlorobenzeBenzyl Alcohol1,2-Dichlorobenze2-Methylphenolbis(2-ChloroisophenolN-Nitroso-Di-n-PhenolNitrobenzeneIsophorone2-Nitrophenol2,4-DimethylphenolBenzoic Acidbis(2-Chloroetho2,4-Dichlorophen1,2,4-Trichlorob	)Ethereneeneeneeneeneeneene_	r	20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000	מממממממממממממממ
67-72-1	Hexachloroetnane			20000	U
621-64-7	N-Nitroso-Di-H-P Hexachloroethane			20000	ט
78-59-1	Isophorone			20000	1 1
00 75 5	o_NitrophenoL			<del>-</del> -	บ
1 65 65 6	Bangale Actio			- ·	1
111-01-1	his(2-Chloroetho	xy) Methane			
40000	/_ /_DICD LOTODDEN	O1.	- 1		_
1 120-82-1	1,2,4-Trichlorob	enzene	<del></del>		_
1 01-20-3	Naphthalene			20000	U
106-47-8	4-Chloroaniline_	one	—— <u> </u>	20000	ע
87-68-3	Hexachlorobutadi	Inhenol		20000	ט
59-50-7	4-Chloro-3-Methy	ene	[	20000	U
91-57-6	2-Methylnaphthal Hexachlorocyclop	entadiene		20000	ן ט ן
77-47-4	Hexachiolocyclop	henol		20000	U
88-06-2	2,4,6-Trichlorop	henol	[	96000	U
95-95-4	2,4,5-Trichlorop 2-Chloronaphthal	ene		20000	ប
91-58-7	Z-CHIOTOMaphemus			96000	ן שן
88-74-4	2-Nitroaniline_	te	1	20000	ן ט
131-11-3	Dimethyl Phthala			20000	ן ט ן
208-96-8	Acenaphthylene	ne	<del></del> [	20000	ן טן [
606-20-2	2,6-Dinitrotolue		<del></del>		[[
1					

SBLKS1

ab Name: WEYERHAEUSER Contract: 8270

1

ab ode: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

atrix: (soil/water) SOIL Lab Sample ID: SBLKS1

ample wt/vol: 1.0 (g/mL) G Lab File ID: 2BN10820D

evel: (low/med) MED Date Received:

Moisture: not dec. dec. Date Extracted: 08/19/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 1.0

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

96000 U 99-09-2----3-Nitroaniline 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 U 7005-72-3----4-Chlorophenyl-phenylether 20000 86-73-7-----Fluorene U 20000 Ü 96000 100-10-6----4-Nitroaniline U 534-52-1----4,6-Dinitro-2-Methylphenol\_ 96000 86-30-6----N-Nitrosodiphenylamine (1) U 20000 101-55-3----4-Bromophenyl-phenylether U 20000 U 118-74-1-----Hexachlorobenzene 20000 96000 U 87-86-5-----Pentachlorophenol U 20000 85-01-8-----Phenanthrene U 20000 120-12-7-----Anthracene U 20000 84-74-2----Di-n-Butylphthalate U 206-44-0----Fluoranthene 20000 129-00-0----Pyrene 20000 Ü 85-68-7-----Butylbenzylphthalate 20000 U 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_ 40000 U 56-55-3----Benzo(a) Anthracene 20000 U 31000 218-01-9-----Chrysene 117-81-7-----bis(2-Ethylhexyl)Phthalate 20000 Ū 20000 U 117-84-0----Di-n-Octyl Phthalate U 20000 205-99-2----Benzo(b) Fluoranthene U 20000 207-08-9-----Benzo(k) Fluoranthene U 50-32-8-----Benzo(a) Pyrene 20000 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_\_\_ U 20000 20000 U 53-70-3----Dibenz (a,h) Anthracene 20000 U 191-24-2----Benzo(g,h,i) Perylene

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

b Name: WEYERHAEUSER

Contract: 8270

b Code: WEYER

Case No.: 06503 SAS No.:

SDG No.: 76378

trix: (soil/water) SOIL

Lab Sample ID: SBLKS1

mple wt/vol:

(g/mL) G 1.0

Lab File ID:

2BN10820D

vel: (low/med) MED

Moisture: not dec. dec.

Date Received:

Date Extracted: 08/19/91

traction:

(SepF/Cont/Sonc) SONC

Date Analyzed: 08/20/91

C Cleanup: (Y/N) N

CAS NUMBER

pH:

Dilution Factor: 1.0

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

mber TICs found:

COMPOUND NAME

RT

EST. CONC.

WAB406MS

ab Name: WEYERHAEUSER Contract: 8270

th ade: WEYER Case No.: 06503 SAS No.: SDG No.: 76378

trix: (soil/water) SOIL Lab Sample ID: 76383MS

mple wt/vol: 1.2 (g/mL) G Lab File ID: 2BN10820K

¿Vel: (low/med) MED Date Received: 08/19/91

Moisture: not dec. 26 dec. Date Extracted: 08/19/91

ctraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/20/91

PC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:

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

	CAS NO. COMPOUND (ag/ L or ag/	119, 00, 110	κ.
1			1
l	108-95-2Phenol	22000	U
	111-44-4bis(2-Chloroethyl)Ether	22000	U
	95-57-82-Chlorophenol	22000	U
l	541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene	22000	U
l	106-46-71,4-Dichlorobenzene	22000	U
ļ	100-51-6Benzyl Alcohol	22000	U
l	95-50-11,2-Dichlorobenzene	22000	U
I	95-48-72-Methylphenol	22000	U
•	39638-32-9bis(2-Chloroisopropyl)Ether	22000	ט
ì	106-44-54-Methylphenol	22000	U
	621-64-7N-Nitroso-Di-n-Propylamine	22000	ט
	67-72-1Hexachloroethane	22000	ן טן
ı	98-95-3Nitrobenzene	22000	ט
١	78-59-1Isophorone	22000	ן ט
l	88-75-52-Nitrophenol	22000	ט
ļ	105-67-92,4-Dimethylphenol	22000	U
	65-85-0Benzoic Acid	110000	ן ט
ı	111-91-1bis(2-Chloroethoxy)Methane	22000	ט
١	120-83-22,4-Dichlorophenol	22000	ט
	120-82-11,2,4-Trichlorobenzene	22000	ט
	91-20-3Naphthalene	22000	ט
	106-47-84-Chloroaniline	22000	ט
l	87-68-3Hexachlorobutadiene	22000	ן ט
1	59-50-74-Chloro-3-Methylphenol	22000	ן ט
l	91-57-62-Methylnaphthalene	22000	ប
l	77-47-4Hexachlorocyclopentadiene	22000	U
l	88-06-22,4,6-Trichlorophenol	22000	ן טן
١	95-95-42,4,5-Trichlorophenol	12000	J
١	91-58-72-Chloronaphthalene	22000	ט
l	88-74-42-Nitroaniline	110000	ן די
l	131-11-3Dimethyl Phthalate	22000	ן די
1	208-96-8Acenaphthylene	22000	บ
I	606-20-22,6-Dinitrotoluene	22000	U
l			_
ι			

WAB406MS

Contract: 8270 b Name: WEYERHAEUSER

SDG No.: 76378 SAS No.: Case No.: 06503 b Code: WEYER

76383MS Lab Sample ID: trix: (soil/water) SOIL

Lab File ID: 2BN10820K (g/mL) G 1.2 mple wt/vol:

08/19/91 Date Received: (low/med) MED vel:

Date Extracted: 08/19/91 dec. Moisture: not dec. 26

08/20/91 Date Analyzed: SONC (SepF/Cont/Sonc) traction:

Dilution Factor: 1.00 :Hq C Cleanup: (Y/N) N

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

Q COMPOUND CAS NO. U 110000 99-09-2----3-Nitroaniline\_ 22000 U 83-32-9----Acenaphthene 110000 U 51-28-5----2,4-Dinitrophenol\_ U 110000 100-02-7----4-Nitrophenol U 22000 132-64-9-----Dibenzofuran U 22000 121-14-2----2,4-Dinitrotoluene U 22000 84-66-2----Diethylphthalate 7005-72-3----4-Chlorophenyl-phenylether U 22000 U 22000 86-73-7-----Fluorene U 110000 100-10-6----4-Nitroaniline 110000 U 534-52-1----4,6-Dinitro-2-Methylphenol U 86-30-6----N-Nitrosodiphenylamine (1) 22000 22000 U 101-55-3----4-Bromophenyl-phenylether\_ 22000 U 118-74-1----Hexachlorobenzene U 110000 87-86-5----Pentachlorophenol U 22000 85-01-8-----Phenanthrene\_ U 22000 120-12-7-----Anthracene U 22000 84-74-2-----Di-n-Butylphthalate U 22000 206-44-0----Fluoranthene U 22000 129-00-0----Pyrene U 85-68-7-----Butylbenzylphthalate 22000 45000 U 91-94-1----3,3'-Dichlorobenzidine\_ 22000 U 56-55-3----Benzo(a) Anthracene\_ U 22000 218-01-9-----Chrysene U 22000 117-81-7-----bis(2-Ethylhexyl)Phthalate U 22000 117-84-0-----Di-n-Octyl Phthalate U 205-99-2----Benzo(b) Fluoranthene 22000 U 22000 207-08-9----Benzo(k)Fluoranthene U 22000 50-32-8----Benzo(a) Pyrene U 22000 193-39-5----Indeno(1,2,3-cd)Pyrene\_ U 22000 53-70-3-----Dibenz(a,h)Anthracene\_\_\_ U 22000 191-24-2----Benzo(g,h,i)Perylene\_

(1) - Cannot be separated from Diphenylamine

#### 2D

### SOIL SEMIVOLATILE SURROGATE RECOVERY

ab Name: WEYERHAEUSER

Contract: 8270

ode: WEYER Case No.: 06503

SAS No.:

SDG No.: 76378

evel: (low/med) MED

	EPA	S1	S2	S3	S4	S5	S6	OTHER	TOT
	SAMPLE NO.	(NBZ)#	(FBP)#	(TPH)#	(PHL)#	(2FP)#	(TBP)#		OUT
		=====	======	=====		=====	=====	=====	===
01	WAB401	79	73	72·	66	68	73	0	0
02	WAB401DL	58	64	57	49	52	60	0	lol
03	WAB402	77	89	76	73	71	91	0	ŏ
04	WAB402DL	69	69	60	55	58	65	0	lol
05	WAB403	86	84	75	· 70	72	88	0	o
06	WAB403DL	83	81	78	. 65	68	73	0	οl
07	WAB404	83	77	71	72	77	70	0	0
80	WAB405	74	77	73	69	72	75	0	0
09	WAB405DL	80	76	72	64	68	68	0	ol
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	Ó	0
13	SBLKS1	.58	54	72	50	52	64	0	o

				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)
<b>S</b> 6	(TBP)	=	2,4,6-Tribromophenol	( 19-122)

<sup>#</sup> 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

rix Spike - EPA Sample No.: WAB406

Level: (low/med) MED

COMPOUND  Phenol 2-Chlorophenol 1,4-Dichlorobenzene N-Nitroso-di-n-prop.(1) 1,2,4-Trichlorobenzene 4-Chloro-3-methylphenol Acenaphthene 4-Nitrophenol 2,4-Dinitrotoluene Pentachlorophenol	SPIKE ADDED (ug/Kg) 226000 226000 226000 226000 226000 226000 226000 226000 226000	SAMPLE CONCENTRATION (ug/Kg)  0 0 0 0 0 0 0 0 1570000	MS CONCENTRATION (ug/Kg)  156000 162000 64100 115000 71800 177000 87300 171000 85800 736000 88500	MS % REC # 69 72 28 51 32 * 78 39 76 38 * 39 39	QC LIMITS REC. 26- 90 25-102 28 104 41 126 38 107 26 103 31-137 11-114 28- 89 17-109 35-142
--	--	---	---	--	--

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	RPD	MITS REC.
Phenol 2-Chlorophenol 1,4-Dichlorobenzene N-Nitroso-di-n-prop.(1) 1,2,4-Trichlorobenzene 4-Chloro-3-methylphenol Acenaphthene 4-Nitrophenol 2,4-Dinitrotoluene Pentachlorophenol Pyrene	100 100 100 100 100 100 100 100 100	0 0 0 0 0 0 0 0 0 0	0 * 0 * 0 * 0 * 0 * -999 *	200 * 200 * 200 * 200 * 200 * 200 * 200 * 200 * 200 * 200 *	35 50 27 38 23 33 19 50 47 47 36	26- 90 25-102 28 104 41 126 38 107 26 103 31-137 11-114 28- 89 17-109 35-142
	•	•			'ر	H9

1) N-Nitroso-di-n-propylamine

8126/91

Column to be used to flag recovery and RPD values with an asterisk Values outside of QC limits

D: 11 out of 11 outside limits

pike Recovery: 13 out of 22 outside limits JMS 8/26/9/

DMMENTS: 76383 WAB406

40(2.5)320@8(2) INST=FINN2



## Weyerhaeuser

Date August 27, 1991

From Dennis Catalano

Location Tacoma, WTC 2F25

Subject SR# 06546 Olympus Environmental - Weyerhaeuser - Aberdeen

10 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.

Dennis Catalano

Analytical Chemistry Laboratories

Attachment

cc: Gary Roethler WTC 2H4

WAB501

Contract: 8270 Name: WEYERHAEUSER

SDG No.: 76619 Code: WEYER Case No.: 06546 SAS No.:

Lab Sample ID: 76619 rix: (soil/water) SOIL

Lab File ID: BN0825F 1.4 (g/mL) G ple wt/vol:

Date Received: 08/23/91 el: (low/med) MED

Date Extracted: 08/23/91 loisture: not dec. 13 dec.

Date Analyzed: 08/26/91

raction: (SepF/Cont/Sonc) SONC Dilution Factor: 1.00 pH:

Cleanup: (Y/N) N CONCENTRATION UNITS:

	CONCENTRATION UNITS:				
CAS NO.	COMPOUND (ug/L o	or ug/Kg) UG/KG	Q		
		1.0000	ט		
L08-95-2	Phenol	16000	ซื		
LUO	bis(2-Chloroethyl)Ether_	16000	ซี		
			ซ		
-41 72 1	1 3-Dichloropenzene	16000	ซ		
541-75-1	1,4-Dichlorobenzene	16000	_		
	Dengari Alconol		ប្		
T00-21-0	1,2-Dichlorobenzene	16000	U		
95-50-I	2-Methylphenol	16000	ប		
95-48-7	2-Methylphenol_ bis(2-Chloroisopropyl)Et	her 16000	ប		
			ש		
106-44-5	y-methylphenor N-Nitroso-Di-n-Propylami	ne 16000	ŭ		
621-64-7	usyschloroethane	16000	ប		
67-72-1	Hexachloroethane	16000	שׁ		
98-95-3	Nitrobenzene	16000	[ซ		
78-59-1	Isophorone	16000	שׁן		
88-75-5	2-Nitrophenol	16000	บั		
105-67-9	2,4-Dimethyiphenoi	79000	ļυ		
		16000	ប		
111-91-1	bis(2-Chloroethoxy) Metha	16000	ប		
		· ———	ט		
120-22-1		16000	ט		
01-20-3	Naphthalene	16000	lυ		
100 17-0		16000	โซ		
			ΰ		
EO EO 9	4-Chloro-3-Methylphenor_	16000 16000	Ιŭ		
		·	Ü		
77 47 4	Hexacutorocycroberrodar	ne 16000	ϋ		
	A Redivigation options		1		
05054	2.4.5-Trichiophenor	420000			
01.50-7	2-Chloronaphthalene		1		
00 74 4		79000			
101 11 2	Dimethyl Phthalate	16000	1		
000 00 0	Acenanntnylene				
208-96-8	2,6-Dinitrotoluene	1.6000	_ ប		
606-20-2			1		

1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB501

by me: WEYERHAEUSER Contract: 8270

b Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

trix: (soil/water) SOIL Lab Sample ID: 76619

ample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825F

Nvel: (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

PC Cleanup: (Y/N) N pH: Dilution Factor: 1.00

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

CAS NO.	( 3) = 3)		
	a Witnespiling	79000	U
99-09-2	3-Nitroaniline	16000	۱ŭ
83-32-9	Acenaphthene	79000	υ
51-28-5	4 Witness and	79000	Ū
100-02-7	4-Nitrophenol	16000	ϋ
132-64-9	2 4 Dinitrotoluone	16000	Ū
121-14-2	2,4-Dinitrotoluene	16000	Ιŭ
84-66-2	Diethylphthalate4-Chlorophenyl-phenylether	16000	Ū
7005-72-3	Fluoropole Myr-phenyrecher	16000	Ū
86-73-7	Fluorene	79000	Ŭ.
100-10-6	4-Nitroaniline	79000	Ιΰ
534-52-1	4,6-Dinitro-2-Methylphenol	16000	Ιŭ
86-30-6	Nitrosodiphenylamine (1)	16000	Ü
101-55-3	4-Bromophenyl-phenylether	16000	บั
118-74-1	Hexachlorobenzene	3700000	E
87-86-5	Pentachlorophenol	16000	บี
85-01-8	Phenanthrene	16000	Ιŭ
120-12-7	Anthracene	16000	บั
84-74-2	Di-n-Butylphthalate	16000	υ
206-44-0	Fluoranthene	16000	שׁ
129-00-0	pyrene	16000	บ็
85-68-7	Butylbenzylphthalate	32000	บั
91-94-1	3,3'-Dichlorobenzidine	16000	ϋ
56-55-3	Benzo(a)Anthracene	16000	Ŭ
218-01-9	Chrysene	16000	บั
117-81-7	bis(2-Ethylhexyl)Phthalate	16000	บั
117-84-0	Di-n-Octyl Phthalate		ប្រ
205-99-2	Benzo(b) Fluoranthene		บ็
207-08-9	Benzo (k) Fluoranthene	16000	บ
50-32-8	Benzo(a) Pyrene	16000	מ
193-39-5	Indeno(1,2,3-cd)Pyrene	16000	ט
53-70-3	Dibenz (a,h) Anthracene	16000	ប្រ
191-24-2	Benzo(g,h,i)Perylene	16000	١٠
	Disherel omino	l	

#### 1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB501

) Name: WEYERHAEUSER

Contract: 8270

Code: WEYER Case No.: 06546

SAS No.:

SDG No.: 76619

crix: (soil/water) SOIL

76619

Lab Sample ID:

BN0825F

mple wt/vol:

1.4 (q/mL) G

Lab File ID:

vel:

(low/med) MED

Date Received:

08/23/91

Moisture: not dec.

13

Date Extracted: 08/23/91

traction:

(SepF/Cont/Sonc) SONC

08/26/91 Date Analyzed:

C Cleanup:

CAS NUMBER

1. 58-90-2

3.

4.

2. 10463-10-2

5. 3268-87-9

(Y/N) N

pH:

dec.

Dilution Factor: 1.00

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

mber TICs found:

UNKNOWN

UNKNOWN

EST. CONC. RTCOMPOUND NAME 390000 JΧ 17.87 PHENOL, 2,3,4,6-TETRACHLORO-JΧ 21.29 9700 BENZENE, PENTACHLOROETHOXY-18000 JΧ 29.96 31000 JХ 31.84 JΧ 11000 DIBENZO[B,E][1,4]DIOXIN, OCT 36.36

1B

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

wab501DL ab wame: WEYERHAEUSER Contract: 8270

ab code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

atrix: (soil/water) SOIL Lab Sample ID: 76619DL

ample wt/vol: 1.4 (g/mL) G Lab File ID: BN0825I

evel: (low/med) MED Date Received: 08/23/91

Moisture: not dec. 13 dec. Date Extracted: 08/23/91

xtraction: (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 COMPOUND CAS NO. 330000 U 108-95-2----Phenol 111-44-4----bis(2-Chloroethyl)Ether 330000 U 330000 U 95-57-8-----2-Chlorophenol\_ 330000 Ü 541-73-1----1,3-Dichlorobenzene\_ 330000 U 106-46-7----1,4-Dichlorobenzene\_ U 330000 100-51-6----Benzyl Alcohol 330000 U 95-50-1----1,2-Dichlorobenzene\_ U 330000 95-48-7----2-Methylphenol 330000 U 39638-32-9----bis(2-Chloroisopropyl) Ether\_ 330000 U 106-44-5----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 330000 330000 U 67-72-1-----Hexachloroethane U 98-95-3----Nitrobenzene 330000 U 330000 78-59-1-----Isophorone\_ 88-75-5----2-Nitrophenol 330000 U 330000 U 105-67-9-----2,4-Dimethylphenol\_ 1600000 U 65-85-0----Benzoic Acid 111-91-1-----bis(2-Chloroethoxy)Methane 330000 U U 330000 120-83-2----2,4-Dichlorophenol\_ 120-82-1----1,2,4-Trichlorobenzene 330000 U 330000 U 91-20-3----Naphthalene Ū 330000 106-47-8----4-Chloroaniline 330000 U 87-68-3-----Hexachlorobutadiene U 330000 59-50-7-----4-Chloro-3-Methylphenol\_ 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 1600000 88-74-4----2-Nitroaniline 131-11-3-----Dimethyl Phthalate 330000 U 330000 U 208-96-8-----Acenaphthylene\_ U 330000 606-20-2----2,6-Dinitrotoluene\_

WAB501DL

Q

Name: WEYERHAEUSER Contract: 8270

Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

rix: (soil/water) SOIL Lab Sample ID: 76619DL

uple wt/vol: 1.4 (g/mL) G Lab File ID: BN0825I

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

Cleanup: (Y/N) N pH: Dilution Factor: 20

CONCENTRATION UNITS:

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

1600000 U 99-09-2----3-Nitroaniline 330000 U 83-32-9-----Acenaphthene 1600000 Ū 51-28-5----2,4-Dinitrophenol\_ U 1600000 100-02-7----4-Nitrophenol U 330000 132-64-9-----Dibenzofuran U 330000 121-14-2----2,4-Dinitrotoluene U 330000 84-66-2-----Diethylphthalate\_ U 330000 7005-72-3----4-Chlorophenyl-phenylether U 330000 86-73-7----Fluorene U 1600000 100-10-6----4-Nitroaniline U 1600000 534-52-1----4,6-Dinitro-2-Methylphenol 330000 U 86-30-6----N-Nitrosodiphenylamine (1)\_\_ U 330000 101-55-3-----4-Bromophenyl-phenylether\_ U 330000 118-74-1-----Hexachlorobenzene\_ DJ 1200000 87-86-5-----Pentachlorophenol\_ U 330000 85-01-8-----Phenanthrene U 330000 120-12-7-----Anthracene U 84-74-2-----Di-n-Butylphthalate 330000 U 330000 206-44-0----Fluoranthene\_ U 330000 129-00-0-----Pyrene U 85-68-7----Butylbenzylphthalate 330000 U 650000 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_ Ű 330000 56-55-3----Benzo(a)Anthracene\_ 330000 Ü 218-01-9-----Chrysene 117-81-7-----bis(2-Ethylhexyl)Phthalate 330000 Ŭ U 117-84-0-----Di-n-Octyl Phthalate 330000 330000 U 205-99-2----Benzo(b) Fluoranthene\_ 330000 U 207-08-9----Benzo(k)Fluoranthene\_ Ŭ 330000 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\_

 $\cdot 1F$ 

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB501DL

b Name: WEYERHAEUSER

Contract: 8270

b code: WEYER

Case No.: 06546 SAS No.:

SDG No.: 76619

trix: (soil/water) SOIL

76619DL Lab Sample ID:

mple wt/vol:

1.4 (g/mL) G

Lab File ID:

BN0825I

vel: (low/med) MED

Date Received:

08/23/91

Moisture: not dec. 13 dec.

mber TICs found:

Date Extracted: 08/23/91

traction:

(SepF/Cont/Sonc) SONC

1

Date Analyzed: 08/26/91

C Cleanup: (Y/N) N

pH:

Dilution Factor: 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-	17.87	130000	Jх	

WAB502

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

rix: (soil/water) SOIL

Lab Sample ID:

76620

ple wt/vol:

1.4 (g/mL) G

Lab File ID:

BN0825E

(low/med) el:

Date Received:

08/23/91

loisture: not dec.

12

Date Extracted: 08/23/91

:raction:

(SepF/Cont/Sonc)

SONC

08/26/91 Date Analyzed:

: Cleanup: (Y/N) N

:Hq

dec.

Dilution Factor: 1.00

CONCENTRATION UNITS:

COMPOUND CAS NO.

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

U 16000 108-95-2----Phenol U 16000 111-44-4-----bis(2-Chloroethyl)Ether\_ U 16000 95-57-8----2-Chlorophenol U 16000 541-73-1----1,3-Dichlorobenzene U 16000 106-46-7-----1,4-Dichlorobenzene U 16000 100-51-6----Benzyl Alcohol U 16000 95-50-1----1,2-Dichlorobenzene U 16000 95-48-7----2-Methylphenol U 39638-32-9----bis(2-Chloroisopropyl)Ether\_ 16000 U 16000 106-44-5-----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 16000 U 16000 67-72-1-----Hexachloroethane\_ U 16000 98-95-3-----Nitrobenzene\_ U 16000 78-59-1-----Isophorone U 16000 88-75-5-----2-Nitrophenol U 16000 105-67-9----2,4-Dimethylphenol\_ υ. 78000 65-85-0-----Benzoic Acid 16000 U 111-91-1-----bis(2-Chloroethoxy)Methane\_ IJ 16000 120-83-2----2,4-Dichlorophenol U 16000 120-82-1-----1,2,4-Trichlorobenzene U 16000 91-20-3----Naphthalene U 16000 106-47-8----4-Chloroaniline U 16000 87-68-3-----Hexachlorobutadiene U 16000 59-50-7----4-Chloro-3-Methylphenol U 16000 91-57-6----2-Methylnaphthalene U 77-47-4-----Hexachlorocyclopentadiene 16000 U 16000 88-06-2----2,4,6-Trichlorophenol U 78000 95-95-4-----2,4,5-Trichlorophenol\_ U 16000 91-58-7----2-Chloronaphthalene\_ U 78000 88-74-4----2-Nitroaniline U 16000 131-11-3-----Dimethyl Phthalate U 16000 208-96-8-----Acenaphthylene U 16000 606-20-2----2,6-Dinitrotoluene\_

#### 1C

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB502

b Mame: WEYERHAEUSER Contract: 8270

b Code: WEYER

Case No.: 06546 SAS No.: SDG No.: 76619

trix: (soil/water) SOIL Lab Sample ID: 76620

mple wt/vol: 1.4 (g/mL) G Lab File ID: BN0825E

vel: (low/med) MED Date Received: 08/23/91

Moisture: not dec. 12 dec. Date Extracted: 08/23/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91

C Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q CAS NO. COMPOUND 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 U 132-64-9-----Dibenzofuran 16000 U 121-14-2----2,4-Dinitrotoluene 16000 16000 U 84-66-2----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether\_ 16000 86-73-7----Fluorene U 16000 U 100-10-6----4-Nitroaniline 78000 534-52-1----4,6-Dinitro-2-Methylphenol U 78000 86-30-6----N-Nitrosodiphenylamine (1) 16000 U U 101-55-3----4-Bromophenyl-phenylether 16000 U 16000 118-74-1-----Hexachlorobenzene\_ 1600000 Ε 87-86-5----Pentachlorophenol\_ 16000 U 85-01-8-----Phenanthrene\_ 120-12-7-----Anthracene 16000 U. 84-74-2----Di-n-Butylphthalate 16000 IJ 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 16000 U 56-55-3-----Benzo(a)Anthracene U 16000 218-01-9-----Chrysene U 117-81-7----bis(2-Ethylhexyl)Phthalate\_\_\_ 16000 U 117-84-0-----Di-n-Octyl Phthalate 16000 16000 U 205-99-2----Benzo(b) Fluoranthene\_ 16000 U 207-08-9----Benzo(k)Fluoranthene\_ U 16000 50-32-8-----Benzo(a) Pyrene U 16000 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_ 16000 U 53-70-3-----Dibenz(a,h)Anthracene\_\_\_ U 191-24-2----Benzo(g,h,i)Perylene 16000 (1) - Cannot be separated from Diphenylamine

**1**F

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

rix: (soil/water) SOIL

Lab Sample ID: 76620

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

Lab File ID: BN0825E

rel: (low/med) MED

Date Received: 08/23/91

foisture: not dec. 12 dec.

Date Extracted: 08/23/91

raction: (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

mber TICs found: 0

RT

EST. CONC.

CAS NUMBER

COMPOUND NAME

## 1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WAB502DL

Contract: 8270 Name: WEYERHAEUSER

a Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

trix: (soil/water) SOIL Lab Sample ID: 76620DL

aple wt/vol: 1.4 (g/mL) G Lab File ID: BN0825J

yel: (low/med) MED Date Received: 08/23/91

Moisture: not dec. 12 dec. Date Extracted: 08/23/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91

Dilution Factor: 10.0 Cleanup: (Y/N) N pH:

			CONCENTRA	IU NOLT	VITS:		
	CAS NO.	COMPOUND	(ug/L or u	ıg/Kg)	UG/KG	Q	
1		1		1		1	1
	108-95-2				160000	U	1
ı		-bis(2-Chloroethyl	) Ether	_	160000	U	ı
	95-57-8	-2-Chlorophenol		<del></del>	160000	ប	ı
	541-73-1	-1,3-Dichlorobenze	ne	<b>-</b>	160000	שׁ	
-	106-46-7	-1,4-Dichlorobenze	ne	_	160000	U	
	100-51-6	-Benzyl Alcohol	•		160000	שׁ	1
1	95-50-1	-1,2-Dichlorobenze	ne	_	160000	U	ı
- [	95-48-7	-2-Methylphenol		_	160000	U	ł
	39638-32-9	-bis(2-Chlorois <del>opr</del> o	opyl)Ether		160000	υ	1
1	106-44-5	-4-Methylphenol	_	_	160000	ט	1
	621-64-7	-N-Nitroso-Di-n-Pro	opylamine		160000	U	ı
	67-72-1	-Hexachloroethane		<del></del>	160000	U	
	98-95-3	-Nitrobenzene			160000	U	1
	78-59-1	-Isophorone			160000	U	1
	88-75-5	-2-Nitrophenol			160000	U	ı
	105-67-9	-2,4-Dimethylpheno.	l		160000	U	ŀ
	65-85-0	-Benzoic Acid			780000	ט	l
	111-91-1	-bis(2-Chloroethox	y) Methane		160000	שׁ	L
	120-83-2	-2,4-Dichloropheno	l		160000	υ	
	120-82-1	-1,2,4-Trichlorobe	nzene		160000	ש	
1	91-20-3				160000	שׁ	
-	106-47-8	-4-Chloroaniline		_	160000	ן ט	
		-Hexachlorobutadie			160000	שׁ	
ł	59-50-7	-4-Chloro-3-Methyl	phenol		160000	U	
	91-57-6	-2-Methylnaphthale	ne		160000	ט	L
- [	77-47-4	-Hexachlorocyclope	ntadiene		160000	ט	
- [	88-06-2	-2,4,6-Trichlorophe	enol		160000	U	ŀ
1	95-95-4	-2,4,5-Trichlorophe	enol		780000	U	l
ı	91-58-7	-2-Chloronaphthale	ne	1	160000	υ	
	88-74-4	-2-Nitroaniline			780000	U	
	131-11-3	-Dimethyl Phthalate	9		160000	ש	1
- [	208-96-8	-Acenaphthylene			160000	U	
1	606-20-2	-2,6-Dinitrotoluen	e	<u> </u>	<b>16000</b> 0	ט	
1							

WAB502DL

Name: WEYERHAEUSER Contract: 8270

Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

rix: (soil/water) SOIL Lab Sample ID: 76620DL

ple wt/vol: 1.4 (g/mL) G Lab File ID: BN0825J

rel: (low/med) MED Date Received: 08/23/91

rel: (low/med) MED

Date Extracted: 08/23/91

foisture: not dec. 12 dec. Date Extracted: 00/23/31

raction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91

Cleanup: (Y/N) N pH: Dilution Factor: 10.0

CAS NO. COMPOUND COMP

CAS NO.	COMPOUND (ag/I of ag/x	(9)	
		780000	U
99-09-2	3-Nitroaniline	160000	Ū
83-32-9	Acenaphthene	780000	שו
51-28-5	2,4-Dinitrophenol	780000	ΙŪ
100-02-7	4-Nitrophenor	160000	Ū
200 64 0	Dibenzofuranl	160000	Ū
121-14-2		160000	lΰ
		160000	اتّ
7005-72-3	4-Chlorophenyl-pnenylether	160000	บั
96-73-7	riudiene	780000	U
	4 3734	* -	υ
534-52-1	4.6-Dinitro-2-Methylphenol	780000	บ
96-30-6	4-Nitrodilline4,6-Dinitro-2-MethylphenolNitrosodiphenylamine (1)	160000	שׁו
101-55-3	4-Bromophenyl-phenylether	160000	ŧ -
110 71-1	Hevach   orobenzene	160000	U
110-/4-1-	Pentachlorophenol	560000	DJ
87-86-3	Phenanthrene	160000	U
	.Anthracene	160000	שׁ
120-12-7	Di-n-Butylphthalate	160000	U
84-74-2	Fluoranthene	160000	ַט
206-44-0	Present	160000	υ .
129-00-0	Pyrene	160000	U
85-68-7	Butylbenzylphthalate	320000	ļυ
01_0/-1		160000	ប
56-55-3	Benzo(a)Anthracene	160000	ប
218-01-9	Chrysene	160000	lυ
4 2 7 2 7	hic/2-EthVInexVI)PHUMALACE	160000	U
117 04-0	Di-n-OCTVI PHUMALACE	160000	บั
205-00-2	Benzo(b) Fluoranthene	160000	Ū
207-08-9	Benzo(K)Fluoranthene	160000	Ŭ
		160000	บี
200 20 5	Tudono (1.2.3-cd) Pyrene	160000	บี
E2-70-3	Dibenz(a,n)Anthracene	160000	Ü
191-24-2	Benzo(g,h,i)Perylene	. 100000	١٠
	nine pinhonglamine		_\

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB502DL

\*b/~~me: WEYERHAEUSER

Contract: 8270

b Code: WEYER Case No.: 06546

SAS No.:

SDG No.: 76619

trix: (soil/water) SOIL

Lab Sample ID:

76620DL

ample wt/vol:

1.4 (g/mL) G

Lab File ID:

BN0825J

evel: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 12 dec.

Date Extracted: 08/23/91

xtraction:

(SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

PC Cleanup: (Y/N) N

CAS NUMBER

pH:

Dilution Factor: 10.0

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

umber TICs found:

COMPOUND NAME

RTEST. CONC.

WAB503

Name: WEYERHAEUSER Contract: 8270

Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

rix: (soil/water) SOIL Lab Sample ID: 76621

ple wt/vol: 1.4 (g/mL) G Lab File ID: BN0825D

el: (low/med) MED Date Received: 08/23/91

Date Extracted: 08/23/91

ioisture: not dec. 11 dec.

Date Analyzed: 08/26/91

raction: (SepF/Cont/Sonc) SONC Date Analyzed. 33,29,2

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG Q COMPOUND CAS NO. 16000 108-95-2----Phenol IJ 16000 111-44-4-----bis(2-Chloroethyl)Ether\_ U 16000 95-57-8----2-Chlorophenol U 16000 541-73-1----1,3-Dichlorobenzene U 16000 106-46-7-----1,4-Dichlorobenzene U 16000 100-51-6----Benzyl Alcohol U 16000 95-50-1----1,2-Dichlorobenzene U 16000 95-48-7----2-Methylphenol U 39638-32-9----bis(2-Chloroisopropyl)Ether\_ 16000 U 16000 106-44-5----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 16000 IJ 16000 67-72-1----Hexachloroethane U 16000 98-95-3----Nitrobenzene U 16000 78-59-1----Isophorone\_ U 16000 88-75-5----2-Nitrophenol U 16000 105-67-9----2,4-Dimethylphenol U 77000 65-85-0-----Benzoic Acid U 111-91-1-----bis(2-Chloroethoxy)Methane\_ 16000 U 16000 120-83-2----2,4-Dichlorophenol\_ U 16000 120-82-1----1,2,4-Trichlorobenzene U 16000 91-20-3----Naphthalene U 16000 106-47-8----4-Chloroaniline 16000 U 87-68-3-----Hexachlorobutadiene U 16000 59-50-7----4-Chloro-3-Methylphenol\_ U 16000 91-57-6----2-Methylnaphthalene U 16000 77-47-4-----Hexachlorocyclopentadiene U 16000 88-06-2----2,4,6-Trichlorophenol U 77000 95-95-4----2,4,5-Trichlorophenol\_ U 16000 91-58-7----2-Chloronaphthalene\_ U 77000 88-74-4----2-Nitroaniline U 16000 131-11-3-----Dimethyl Phthalate U 16000 208-96-8-----Acenaphthylene U 16000 606-20-2----2,6-Dinitrotoluene\_

1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

b Name: WEYERHAEUSER Contract: 8270 WAB503

b Lode: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

trix: (soil/water) SOIL Lab Sample ID: 76621

mple wt/vol: 1.4 (g/mL) G Lab File ID: BN0825D

Vel: (low/med) MED Date Received: 08/23/91

Moisture: not dec. 11 dec. Date Extracted: 08/23/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91

C Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CAS NO. COMPOUND COMP

U 77000 99-09-2----3-Nitroaniline U 16000 83-32-9-----Agenaphthene Ü 77000 51-28-5----2,4-Dinitrophenol\_ Ù. 77000 100-02-7----4-Nitrophenol U 16000 132-64-9-----Dibenzofuran\_ U 16000 121-14-2----2,4-Dinitrotoluene U 16000 84-66-2----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether 16000 16000 U 86-73-7----Fluorene 77000 IJ 100-10-6----4-Nitroaniline 534-52-1----4,6-Dinitro-2-Methylphenol 77000 U 16000 U 86-30-6----N-Nitrosodiphenylamine (1) 16000 U 101-55-3----4-Bromophenyl-phenylether U 118-74-1-----Hexachlorobenzene 16000 Ε 910000 87-86-5-----Pentachlorophenol\_ U 16000 85-01-8-----Phenanthrene U 16000 120-12-7-----Anthracene U 16000 84-74-2----Di-n-Butylphthalate\_\_\_\_ U 16000 206-44-0----Fluoranthene\_ 16000 U 129-00-0----Pyrene U 16000 85-68-7-----Butylbenzylphthalate U 91-94-1----3,3'-Dichlorobenzidine\_ 32000 U 16000 56-55-3----Benzo(a)Anthracene\_ U 16000 218-01-9-----Chrysene 117-81-7-----bis(2-Ethylhexyl)Phthalate 16000 U 117-84-0-----Di-n-Octyl Phthalate 16000 U 16000 U 205-99-2----Benzo(b)Fluoranthene 16000 U 207-08-9----Benzo(k) Fluoranthene\_ 16000 U 50-32-8-----Benzo(a) Pyrene U 16000 193-39-5----Indeno(1,2,3-cd)Pyrene\_ U 16000 53-70-3----Dibenz(a,h)Anthracene\_\_\_ U 16000 191-24-2----Benzo(g,h,i)Perylene\_\_\_

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

**WAB503** 

b Name: WEYERHAEUSER

Contract: 8270

b Code: WEYER Case No.: 06546

SAS No.:

SDG No.: 76619

trix: (soil/water) SOIL

76621 Lab Sample ID:

1.4 (q/mL) G

Lab File ID:

BN0825D

mple wt/vol:

Date Received: 08/23/91

vel:

(low/med) MED

Moisture: not dec. 11

dec.

traction:

(SepF/Cont/Sonc) SONC

Date Analyzed: 08/26/91

Date Extracted: 08/23/91

C Cleanup: (Y/N) N

CAS NUMBER

pH:

Dilution Factor: 1.00

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

mber TICs found:

EST. CONC. RT COMPOUND NAME

Contract: 8270

WAB503DL

b Name: WEYERHAEUSER

b de: WEYER

Case No.: 06546

SAS No.: SDG No.: 76619

trix: (soil/water) SOIL

1.4 (g/mL) G

Lab Sample ID: 76621DL

mple wt/vol:

Lab File ID: BN0825K

vel: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 11 dec.

Date Extracted: 08/23/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91

C Cleanup: (Y/N) N pH:

Dilution Factor: 8.0

CONCENTRATION UNITS:

CAS NO. COMPOUND

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

		1 1
108-95-2Phenol	130000	ן ט
111-44-4bis(2-Chloroethyl)Ether	130000	U
95-57-82-Chlorophenol	130000	ן ט
541-73-11,3-Dichlorobenzene	130000	U
106-46-71,4-Dichlorobenzene	130000	ן ט
100-51-6Benzyl Alcohol	130000	ן ט
95-50-11,2-Dichlorobenzene	130000	U
95-48-72-Methylphenol	130000	ן ט
39638-32-9bis(2-Chloroisopropyl)Ether	130000	U
106-44-54-Methylphenol	130000	ט
621-64-7N-Nitroso-Di-n-Propylamine	130000	. ່ ບ
67-72-1Hexachloroethane	130000	ט
98-95-3Nitrobenzene	130000	lυ
g8-g5-3NICIODENZENE	130000	ប
78-59-1Isophorone	130000	ט
88-75-52-Nitrophenol 105-67-92,4-Dimethylphenol	130000	ប
105-67-9	620000	Ū
65-85-0Benzoic Acid 111-91-1bis(2-Chloroethoxy)Methane	130000	lυ
111-91-1DIS(2-Chiorophono)	130000	โบ้
120-83-22,4-Dichlorophenol	130000	Ü
120-82-11,2,4-Trichlorobenzene	130000	Ū
91-20-3Naphthalene	130000	Ιŭ
106-47-84-Chloroaniline	130000	Ü
87-68-3Hexachlorobutadiene	130000	ϋ
59-50-74-Chloro-3-Methylphenol	130000	۱ŭ
91-57-62-Methylnaphthalene	130000	Ιŭ
77-47-4Hexachlorocyclopentadiene	130000	Ü
88-06-22,4,6-Trichlorophenol	620000	υ
95-95-42,4,5-Trichlorophenol	130000	บั
91-58-72-Chloronaphthalene	620000	ΰ
88-74-42-Nitroaniline	130000	บั
131-11-3Dimethyl Phthalate	130000	lΰ
208-96-8Acenaphthylene	130000	บ็
606-20-22,6-Dinitrotoluene	130000	١٣
	l	_1

WAB503DL

Contract: 8270 Name: WEYERHAEUSER

Code: WEYER Case No.: 06546 SAS No.:

SDG No.: 76619

rix: (soil/water) SOIL

Lab Sample ID: 76621DL

Lab File ID: BN0825K aple wt/vol: 1.4 (g/mL) G

rel: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 11

Date Extracted: 08/23/91

raction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91

Cleanup: (Y/N) N

pH:

dec.

Dilution Factor: 8.0

CONCENTRATION UNITS:

		JUCENTRALION ONT	~ /TF	_
CAS NO.	COMPOUND (1	ug/L or ug/Kg) U	G/KG	Q
			620000	U
99-09-2	3-Nitroaniline		130000	lΰ
83-32-9	Acenaphthene	<del></del>	620000	บ
51-28-5	2,4-Dinitrophenol		620000	Ιŭ
100-02-7	4-Nitrophenol	·	130000	ŭ
132-64-9	Dibenzofuran	·	130000	บ
121-14-2	2,4-Dinitrotoluene	<del></del> :		Ü
84-66-2	Diethylphthalate		130000	Ü
7005-72-3	4-Chlorophenyl-phen	ylether	130000	บ็
86-73-7	Fluorene	<u> </u>	130000	
100-10-6	4-Nitroaniline		620000	Ü
534-52-1	4,6-Dinitro-2-Methy	lphenol	620000	U
86-30-6	N-Nitrosodipheny⊥am	ine (1)	130000	Ū
101-55-3	4-Bromophenyl-pheny	letner	130000	ŭ
118-74-1	Hexachlorobenzene		130000	U
87-86-5	Pentachlorophenol		340000	DJ
85-01-8	Phenanthrene		130000	U
120-12-7	Anthracene		130000	ַ
84-74-2	Di-n-Butylphthalate		130000	ט
206-44-0	Fluoranthene		130000	U
200 44 0 120-00-0	Pyrene		130000	U
25-60-7	Butylbenzylphthalat	e	130000	Ŭ
01-04-1	3,3'-Dichlorobenzid	ine	250000	U
51-94-1	Benzo(a)Anthracene_		130000	ប
20-22-3	Chrysene		130000	U
218-01-9	bis(2-Ethylhexyl)Ph	thalate	130000	U
117-81-7	Di-n-Octyl Phthalat	e -	130000	U
T1/-84-U	Benzo(b) Fluoranthen	<u> </u>	130000	U
205-99-2	Pongo(k) Fluoranthen	ie –	130000	U
207-08-9	Benzo(k) Fluoranthen	·~	130000	1ប
50-32-8	Benzo(a) Pyrene	rene	130000	ี่บั
193-39-5	Indeno(1,2,3-cd) Pyr	one	130000	ĺΰ
53-70-3	Dibenz(a,h)Anthrace		130000	บั
191-24-2	Benzo(g,h,i)Peryler		250000	1

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB503DL

h Name: WEYERHAEUSER

Contract: 8270

b Lade: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

trix: (soil/water) SOIL

Lab Sample ID:

1.4 (q/mL) G

Lab File ID:

BN0825K

76621DL

激ple wt/vol:

08/23/91

Moisture: not dec. 11

wel:

(low/med) MED Date Received:

ctraction:

(SepF/Cont/Sonc)

SONC

Date Extracted: 08/23/91 Date Analyzed: 08/26/91

C Cleanup: (Y/N) N

pH:

dec.

Dilution Factor: 8.0

CONCENTRATION UNITS:

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

amber TICs found:

RTCOMPOUND NAME EST. CONC. CAS NUMBER

**WAB504** 

Contract: 8270 b Name: WEYERHAEUSER

SDG No.: 76619 Case No.: 06546 SAS No.: b Code: WEYER

Lab Sample ID: 76622 trix: (soil/water) SOIL

Lab File ID: BN0825C 1.3 (g/mL) G mple wt/vol:

Date Received: 08/23/91 vel: (low/med) MED

Date Extracted: 08/23/91 Moisture: not dec. 11 dec.

Date Analyzed: 08/26/91 (SepF/Cont/Sonc) SONC

traction: Dilution Factor: 1.00 pH: C Cleanup: (Y/N) N

CONCENTED TO TINTUE

		CONCENTR	ATION U	NITS:	
0 110	COMPOUND	(ug/L or	ug/Kg)	UG/KG	Q
CAS NO.	COMPOUND	<b>γ 3</b> ξ			
			1		1
	Dhonol			17000	U
108-95-2	bis(2-Chloroe	thyllEther		17000	[ប
111-44-4	bis(2-chioroe	1		17000	ן טן
95-57-8	2-Chloropheno		<del></del>	17000	ប
541-73-1	1,3-Dichlorob	enzene		17000	ן ט
106-46-7	1,4-D1CH1OLOD	enzenc	—— <u>I</u>	17000	ប
100-51-6	Benzyl Alcoho	'L		17000	ן ט
95-50-1	1,2-Dichloron	enzene	<del></del>	17000	ן ט
95-48-7	2-Methylpheno	LI\real_the	<del></del> _[	17000	บ
39638-32-9	bis(2-Cn1oro1	SOPTOPATIBLE	* <del></del>	17000	lu l
106-44-5	4-Methylpheno	1	<del></del> ]	17000	lŭ l
621-64-7	N-Nitroso-D1-	.U-ΓΙΟΡΑΤαπτιι		17000	lŭ l
	Hexacutoroed	latte	]	17000	ϋ
02-05-3	Nitrobenzene_				<u>"</u>
79-59-1	Isophorone			17000	υ
00 75-5	2-Nitrophenol	<u> </u>	1	17000	1 - 1
105 67-0	2,4-Dimethylr	henol		17000	Ω
				83000	ָּט
65-85-04	bis(2-Chloro	thoxy) Methane	<u> </u>	17000	U
				17000	ប
120-83-2	1,2,4-Trichlo	robenzene	<del></del>	17000	ប
120-82-1		)_ODGGG		17000	Įΰ
01-20-3	NADIICIIATEIIE		<del></del>	17000	טן
106-47-8	4-Chloroanil	tadione	<del></del>	17000	U
87-68-3	Hexachlorobu	cautene	<del></del>	17000	שׁן
59-50-7	4-Chloro-3-M	acity this ior	<del></del> [	17000	lσ
~~ ~~ ~		charene		17000	ប
77 47 4	Heyach Lorocy	CTObellcadrenc	]	17000	ไซ
00 06 0	2	problighor "		83000	ĺΰ
^ ^ /		OF Oblicion		17000	ĺΰ
01-58-7	2-Chioronapu	cliarene		83000	บั
00 74 4	2-Nitroanill	ne		17000	บี
121-11-3	Dimethyl Pnt	nalate			บ็
	Acenanhtnvie	ne		17000	מ
606-20-2	2,6-Dinitrot	oluene		17000	١٠
000-20-2	2,2	<del></del>			_\

Contract: 8270 WAB504

name: WEYERHAEUSER Contract: 8270

b Lde: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

trix: (soil/water) SOIL Lab Sample ID: 76622

mple wt/vol: 1.3 (g/mL) G Lab File ID: BN0825C

vel: (low/med) MED Date Received: 08/23/91

Moisture: not dec. 11 dec. Date Extracted: 08/23/91

traction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/26/91

C Cleanup: (Y/N) N pH: Dilution Factor: 1.00

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG O CAS NO. COMPOUND 83000 99-09-2----3-Nitroaniline U 17000 83-32-9-----Acenaphthene U 83000 51-28-5----2,4-Dinitrophenol\_ U 83000 100-02-7----4-Nitrophenol\_ U 17000 132-64-9-----Dibenzofuran U 17000 121-14-2----2,4-Dinitrotoluene U 17000 84-66-2----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether 17000 U 17000 86-73-7-----Fluorene\_ 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 17000 101-55-3----4-Bromophenyl-phenylether\_\_\_ Ü 17000 118-74-1----Hexachlorobenzene 1400000 E 87-86-5----Pentachlorophenol\_ U 17000 85-01-8-----Phenanthrene\_ U 17000 120-12-7-----Anthracene Ü 17000 84-74-2----Di-n-Butylphthalate\_ U 17000 206-44-0----Fluoranthene\_\_\_ U 17000 129-00-0-----Pyrene\_ U 17000 85-68-7----Butylbenzylphthalate U 34000 91-94-1----3,37-Dichlorobenzidine\_\_\_ U 17000 56-55-3----Benzo(a)Anthracene\_ U 17000 218-01-9-----Chrysene 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 17000 207-08-9----Benzo(k)Fluoranthene U 17000 50-32-8----Benzo(a) Pyrene 17000 U 193-39-5----Indeno(1,2,3-cd)Pyrene\_ U 53-70-3----Dibenz(a,h)Anthracene 17000 17000 U 191-24-2----Benzo(g,h,i)Perylene\_\_\_ (1) - Cannot be separated from Diphenylamine

#### 1F

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB504

Name: WEYERHAEUSER

Contract: 8270

Code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

:rix: (soil/water) SOIL

Lab Sample ID: 76622

aple wt/vol:

1.3 (g/mL) G

Lab File ID:

BN0825C

rel:

(low/med) MED

Date Received: 08/23/91

foisture: not dec. 11

aber TICs found:

raction: (SepF/Cont/Sonc) SONC Date Extracted: 08/23/91

Date Analyzed: 08/26/91

Cleanup: (Y/N) N

pH:

dec.

Dilution Factor: 1.00

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	R <b>T</b>	EST. CONC.	Q
1. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	21.27	45000	JX
2.	UNKNOWN	25 <b>.1</b> 1	12000	JΧ
3.	UNKNOWN	26.69	15000	JΧ
4.	UNKNOWN	27.61	13000	JΧ
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
				ll

Contract: 8270

WAB504DL

b Name: WEYERHAEUSER

Case No.: 06546 SAS No.: SDG No.: 76619 ab Usde: WEYER

Lab Sample ID: 76622DL trix: (soil/water) SOIL

Lab File ID: BN0825L 1.3 (g/mL) G imple wt/vol:

Date Received: 08/23/91 vel: (low/med) MED

Date Extracted: 08/23/91 Moisture: not dec. 11 dec.

Date Analyzed: 08/26/91 traction: (SepF/Cont/Sonc) SONC

Dilution Factor: 8.0 PC Cleanup: (Y/N) N pH:

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

				140000	U	- 1
108-95-2	Phenol		<b>_</b>	140000	מ	1
111-44-4	bis(2-Chloroethyl	.)Ether		140000	ď	
95-57-8	2-Chlorophenol_ 1,3-Dichlorobenze			140000	_	
5/1-73-1	1 3-Dichlorobenze	ene		140000	U	- 1
106-46-7	1,4-Dichioropenze	ene		140000	ប្	- 1
100-51-6	Benzyl Alcohol		- 1	140000	บ	l
95-50-1	1,2-Dichlorobenze	ene	_{-{	140000	U	1
95-48-7	2-Methylphenol	·		140000	U	ļ
39638-32-9	2-Methylphenol_ bis(2-Chloroisopi	copyl)Ether_		140000	U	
10C 44	/-MATDVIDDEDOI		1	140000	U	
621-64-7	N-Nitroso-Di-n-Pi	copylamine_		140000	U	
67-72-1	Hexachloroethane			140000	ט	i
08-95-3	Nitrobenzene			140000	U	
78-59-1	Isophorone		_	140000	טן	
00 75 5	z_Nitrophenol			140000	ט	
105-67-9	2,4-Dimethylpheno	01		140000	บ	- 1
103-67-3	Benzoic Acid			660000	U	1
111-01-1	bis(2-Chloroethor	xy)Methane		140000	ប	
111-91-1	2,4-Dichlorophen	ol	_	140000	שׁן	l
120-83-2	1,2,4-Trichlorobe	enzene		140000	ប	- 1
120-82-1	Naphthalene		-	140000	U	ŀ
91-20-3	4-Chloroaniline			140000	ប	- 1
106-47-8-4	Hexachlorobutadio	ene	1	140000	טן	
87-68-3	4-Chloro-3-Methy	Inhenol		140000	ប	
59-50-/	2-Methylnaphthal	ene	-	140000	ប	į
91-57-6	Hexachlorocyclop	entadiene	<b>—</b>	140000	U	1
77-47-4	nexaciliorocycrop	henol	-	140000	טו	
88-06-2	2,4,6-Trichlorop	honol	— i	660000	ប	ļ
95-95-4	2,4,5-Trichlorop	TIGHT	—	140000	บ	- 1
91-58-7	2-Chloronaphthal	E11E		660000	Ū	-
88-74-4	2-Nitroaniline	±0		140000	បែ	1
131-11-3	Dimethyl Phthala	LE	<b></b>	140000	ıπ	
208-96-8	Acenaphthylene_			140000	បី	
606-20-2	2,6-Dinitrotolue	ne		140000	١	

WAB504DL

Contract: 8270 tb Name: WEYERHAEUSER

SAS No.: ub Code: WEYER Case No.: 06546

SDG No.: 76619

itrix: (soil/water) SOIL

Lab Sample ID: 76622DL

Lab File ID: BN0825L imple wt/vol: 1.3 (g/mL) G

vel: (low/med) MED

Date Received: 08/23/91

Moisture: not dec. 11

Date Extracted: 08/23/91 dec.

ctraction: (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

CAS NO.	COMPOUND (dg/L of dg/	-197	,	. ~
00 00 2	3-Nitroaniline		660000	U
	Acenaphthene		140000	lu
63-32-9	2,4-Dinitrophenol		660000	U.
100 00 7	4-Nitrophenol		660000	lυ
100-02-7	Dibenzofuran		140000	טן
132-64-9	2,4-Dinitrotoluene		140000	ט
121-14-2	Diethylphthalate		140000	ט
84-66-2	4-Chlorophenyl-phenylether		140000	١ <del>٥</del>
7005472-344	Fluorene		140000	ט
100 70 6	4-Nitroaniline		660000	ט
100-10-6	4,6-Dinitro-2-Methylphenol		660000	lυ
534-52-1	N-Nitrosodiphenylamine (1)	1	140000	บ
86-30-6	4-Bromophenyl-phenylether		140000	lυ
101-22-3	Hexachlorobenzene		140000	โบ
118-74-1	Pentachlorophenol	ŀ	700000	D
87-86-5	Phenanthrene		140000	Ū
85-01-8	Anthracene		140000	lΰ
120-12-7	Di-n-Butylphthalate		140000	Ū
84-74-2	bi-n-ButyIphthatate		140000	Ü
	Fluoranthene		140000	บ
129-00-0	pyrene		140000	ΰ
85-68-7	Butylbenzylphthalate		270000	บั
91-94-1	3,3'-Dichlorobenzidine	1	140000	ϋ
	Benzo(a) Anthracene	ļ	140000	บั
218-01-9	Chrysene	1	140000	ט
117-81-7	bis(2-Ethylhexyl)Phthalate		140000	Ü
117-84-0	Di-n-Octyl Phthalate	ł	140000	បី
205-99-2	Benzo(b) Fluoranthene	1	— <i>'</i>	บ็
207-08-9	Benzo(k) Fluoranthene		140000	ט
50-32-8	Benzo(a) Pyrene		140000	บ
193-39-5	Indeno(1,2,3-cd)Pyrene		140000	U U
53-70-3	Dibenz (a, h) Anthracene	1	140000	1 -
191-24-2	Benzo(g,h,i)Perylene		140000	ש
		· i		_

<sup>(1) -</sup> Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 8270

WAB504DL

\*b Name: WEYERHAEUSER

Case No.: 06546

SAS No.:

SDG No.: 76619

atrix: (soil/water) SOIL

1.3 (q/mL) G

Lab File ID:

Lab Sample ID:

BN0825L

76622DL

ample wt/vol:

ab Lode: WEYER

%vel: (low/med) MED

Date Received:

08/23/91

Moisture: not dec. 11

Date Extracted: 08/23/91

straction:

(SepF/Cont/Sonc)

SONC

Date Analyzed: 08/26/91

C Cleanup: (Y/N) N

CAS NUMBER

pH:

dec.

Dilution Factor: 8.0

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

imber TICs found:

COMPOUND NAME

RTEST. CONC.

WAB505

Contract: 8270 Name: WEYERHAEUSER

SDG No.: 76619 Code: WEYER Case No.: 06546 SAS No.:

Lab Sample ID: 76623 rix: (soil/water) SOIL

Lab File ID: BN0825B ple wt/vol: 1.3 (g/mL) G

Date Received: 08/23/91 rel: (low/med) MED

Date Extracted: 08/23/91

Noisture: not dec. 13 dec. Date Analyzed: 08/26/91

raction: (SepF/Cont/Sonc) SONC

Dilution Factor: 1.00 Cleanup: (Y/N) N pH:

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

CAS NO.	COMPOUND	(ug/L or u	ig/kg)	OG/ KG	×	
•			1		1	1
100.05.0	Phomol	•	.	18000	บ	
108-95-2	bis(2-Chloroethyl	Ether		18000	U	1
111-44-4	a chlorophenol	,		18000	U	
95-57-8	2-Chlorophenol	ne		18000	U	1
541-73-1	1,4-Dichlorobenze	ne		18000	U	
106-46-7	Parari Alcohol		<del></del>	18000	ับ	
100-51-6	Benzyl Alcohol	nο	<del></del>	18000	U	- 1
95-50-1	I,Z-DICHIOTODENZe		<del></del>	18000	U	
95-48-7	2-Methylphenol	onvllEther		18000	U	Ì
39638-32-9	2-Methylphenol bis(2-Chloroisopr	OPIT/Homo-		18000	U	- 1
106-44-5	4-Methylphenol N-Nitroso-Di-n-Pr	onvlamine	<del></del>	18000	U	
621-64-7	N-NITroso-DI-M-FI	Oblinamino_	<del></del>	18000	ט	- }
67-72-1	Hexachloroethane_			18000	[ซ	
98-95-3	Nitrobenzene			18000	ט	1
78-59-1	Isophorone	<del> </del>	<del></del>	18000	บ	- 1
88-75-5	2-Nitrophenol	<u> </u>		18000	ט	- 1
105-67-9	2,4-Dimethylpheno	,T		85000	υ	-
65-85-0	Benzoic Acid	Mothano	<del></del>	18000	U	l.
111-91-1	bis(2-Chloroethox	cy/Mechane_	<b></b>	18000	U	
120-83-2	2.4-Dichtorophend	)上	l	18000	บ	1
120-82-1	1,2,4-Trichlorobe	enzene	<del></del>	18000	ับ	- 1
91-20-3	Naphthalene	<del></del>	<del></del>	18000	Ū	- 1
106-47-8	4-Chloroaniline		<b></b>	18000	Ū	- 1
87-68-3	Hexachlorobutadio	ene	<del></del>	18000	ប៉	
59-50-7	4-Chloro-3-Methy	ľbueuor	<u> </u>	18000	ϋ	
01 57 6	2-MethyInaphtnal(	ene		18000	ΰ	- 1
77-17-1	Hexachlorocyclope	entaciene	<u>-</u> -	18000	บั	ļ
09-06-2	2 4 6-Trichlorop	renor		85000	บั	1
05-05-4	2 4 5-Trichlorop	nenoi		18000	บี	- 1
01-58-7	2-Chloronaphtnaic	ene		85000	ប្រ	- 1
99-74-4	2-Nitroanılıne				ប្រ	- 1
131-11-3	Dimethyl Phthala	te		18000	lΰ	ļ
208-86-8	Acenaphthylene			18000	មួ	1
606-20-2	2,6-Dinitrotolue	ne		18000	١٠	1
333 23 =	•		1			l

WAB505

▶ Name: WEYERHAEUSER Contract: 8270

b le: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

rix: (soil/water) SOIL Lab Sample ID: 76623

maple wt/vol: 1.3 (g/mL) G Lab File ID: BN0825B

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: 1.00

		CONCENTE			
CAS NO.	COMPOUND	(ug/L or	ug/Kg)	UG/KG	Q
99-09-2	3-Nitroaniline			85000	U
	Acenaphthene			18000	U
	2,4-Dinitropher	nol		85000	שׁן
	4-Nitrophenol			85000	U
132-64-9	Dibenzofuran			18000	U
121-14-2	2,4-Dinitrot $\overline{\mathtt{olu}}$	iene		18000	U
84-66-2	Diethylphthalat	:e		18000	ប
	4-Chlorophenyl-			18000	U
86-73-7				18000	U
	4-Nitroaniline			85000	บ
534-52-1	4,6-Dinitro-2- $ar{ exttt{N}}$	<b>lethylphenol</b>	1	85000	U
	N-Nitrosodipher			18000	U
101-55-3	4-Bromophenyl-p	henylether		18000	שׁ
118-74-1	Hexachlorobenze	ene		18000	] ซ
87-86-5	Pentachloropher	nol		330000	E
85-01-8	Phenanthrene			18000	ן ט
120-12-7	Anthracene			18000	ש
84-74-2	Di-n-Butylphtha	late		18000	ប
206-44-0	Fluoranthene			18000	U
129-00-0				18000	ש
	Butylbenzylphth			18000	U
91-94-1	3,3'-Dichlorobe	enzidine		35000	<b>ט</b> וֹ
56-55-3	Benzo(a)Anthrac	cene		18000	U
218-01-9				18000	บ
	bis(2-Ethylhexy			18000	ט
117-84-0	Di-n-Octyl Phth	nalate		18000	U
205-99-2	Benzo(b)Fluorar	thene		18000	U
207-08-9	Benzo(k) Fluorar	thene	<u> </u>	18000	U
50-32-8	Benzo(a)Pyrene			18000	U
193-39-5	Indeno (1,2,3-cc	l)Pyrene		18000	ש
53-70-3	Dibenz (a,h) Anth	racene		18000	U
191-24-2	Benzo(g,h,i)Per	ylene		18000	ប
1) - Cannot b	e separated from Di	phenylamine	1		- I <del></del>

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WAB505

) Name: WEYERHAEUSER

Contract: 8270

Code: WEYER Case No.: 06546 SAS No.:

SDG No.: 76619

crix: (soil/water) SOIL

76623 Lab Sample ID:

1.3 (g/mL) G

Lab File ID:

BN0825B

nple wt/vol:

Date Received:

08/23/91

vel:

(low/med) MED

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: 1.00

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG mber TICs found: 12

CAS NUMBER	COMPOUND NAME	RT ======	EST. CONC.	Q  JX
1. 10463-10-2 2. 3. 4. 5. 6. 7. 481-21-0 8. 9. 10. 11. 12. 3268-87-9	BENZENE, PENTACHLOROETHOXY- UNKNOWN UNKNOWN UNKNOWN UNKNOWN CHOLESTANE (VAN) UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN DIBENZO[B,E][1,4]DIOXIN, OCT	21.25 25.09 26.69 32.12 32.84 32.91 33.26 33.71 33.99 34.29 35.17 36.34	27000 8700 8800 7300 11000 13000 14000 12000 12000 13000 16000 21000	JX JX JX JX JX JX JX

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
		1		1 1
108-95-2	Phenol		44000	ן טן
111-44-4	bis(2-Chloroethyl)	Ether	44000	ן ט
	2-Chlorophenol		44000	ן ט
541-73-1	1,3-Dichlorobenzene	e	44000	ן ט[
106-46-7	1,4-Dichlorobenzene	e	44000	ן ט
	Benzyl Alcohol		44000	ט
95-50-1	1,2-Dichlorobenzene	9	44000	ן טן
	2-Methylphenol		44000	ן טן
<sup>'</sup> 39638-32-9	bis(2-Chloroisoprop	oyl)Ether	44000	ן ט
106-44-5	4-Methylphenol		44000	ן טן
621-64-7	N-Nitroso-Di-n-Prop	oylamine	44000	ן טן
67-72-1	Hexachloroethane		44000	ט
98-95-3	Nitrobenzene		44000	ן טן
78-59-1	Isophorone		44000	ן טן
88-75-5	2-Nitrophenol		44000	ן טן
105-67-9	2,4-Dimethylphenol	ļ	44000	ן ט
	Benzoic Acid		210000	ן י ט
111-91-1	bis(2-Chloroethoxy)	Methane	44000	ן טן
	2,4-Dichlorophenol	·	44000	ן ט
120-82-1	1,2,4-Trichloroben	zene	44000	ן טן
	Naphthalene		44000	ן טן
106-47-8	4-Chloroaniline		44000	ע
	Hexachlorobutadiene		44000	ן ט
59-50-7	4-Chloro-3-Methylpl	nenol	44000	ן ט
	2-Methylnaphthalene		44000	ן ט
77-47-4	Hexachlorocyclopent	tadiene	44000	ן ט
88-06-2	2,4,6-Trichlorophe	nol	44000	ט
95-95-4	2,4,5-Trichloropher	nol	210000	ן ט
	2-Chloronaphthalene		44000	ן טן
88-74-4	2-Nitroaniline		210000	ן טן
131-11-3	Dimethyl Phthalate		44000	ן טן
208-96-8	Acenaphthylene		44000	ן ט
606-20-2	2,6-Dinitrotoluene		44000	ן טן
				_

Contract: 8270 o Name: WEYERHAEUSER

WAB505DL

SDG No.: 76619 SAS No.: code: WEYER Case No.: 06546

Lab Sample ID: 76623DL trix: (soil/water) SOIL

Lab File ID: BN0825M  $1.3 \quad (g/mL) G$ mple wt/vol:

08/23/91 Date Received: (low/med) MED vel:

Date Extracted: 08/23/91 dec. Moisture: not dec. 1.3

Date Analyzed: 08/26/91 SONC (SepF/Cont/Sonc) traction:

Dilution Factor: 2.5 :Hq C Cleanup: (Y/N) N

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

Q CAS NO. U 210000 99-09-2----3-Nitroaniline\_ 44000 U 83-32-9-----Acenaphthene U 210000 51-28-5-----2,4-Dinitrophenol\_ U 210000 100-02-7----4-Nitrophenol\_ U 44000 132-64-9-----Dibenzofuran 44000 U 121-14-2----2,4-Dinitrotoluene\_ U 44000 84-66-2-----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether\_ 44000 U 44000 86-73-7-----Fluorene U 210000 100-10-6----4-Nitroaniline U 534-52-1-----4,6-Dinitro-2-Methylphenol\_ 210000 U 86-30-6----N-Nitrosodiphenylamine (1) 44000 U 44000 101-55-3----4-Bromophenyl-phenylether\_ U 118-74-1-----Hexachlorobenzene\_ 44000 DJ 130000 87-86-5-----Pentachlorophenol\_ 44000 U 85-01-8-----Phenanthrene U 44000 120-12-7-----Anthracene 44000 U 84-74-2-----Di-n-Butylphthalate\_ 44000 U 206-44-0-----Fluoranthene\_ U 44000 129-00-0-----Pyrene U 85-68-7-----Butylbenzylphthalate 44000 U 87000 91-94-1----3,3'-Dichlorobenzidine\_ U 44000 56-55-3----Benzo(a)Anthracene\_ 44000 U 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)Phthalate\_ 44000 U 44000 117-84-0-----Di-n-Octyl Phthalate U 44000 205-99-2----Benzo(b) Fluoranthene\_ 44000 U 207-08-9----Benzo(k) Fluoranthene\_ U 44000 50-32-8-----Benzo(a) Pyrene\_ U 44000 193-39-5-----Indeno(1,2,3-cd)Pyrene\_ U 44000 53-70-3-----Dibenz (a,h) Anthracene\_\_\_\_ U 44000 191-24-2----Benzo(g,h,i)Perylene\_\_

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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)

Date Received:

08/23/91

Moisture: not dec.

dec.

Date Extracted: 08/23/91

traction:

(SepF/Cont/Sonc)

13

SONC

Date Analyzed: 08/26/91

'C Cleanup: (Y/N) N

pH:

Dilution Factor: 2.5

CONCENTRATION UNITS:

mber TICs found: 1

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 10463-10-2	BENZENE, PENTACHLOROETHOXY-	21.25		JХ
CHA.		· · · · · · · · · · · · · · · · · · ·		

SBLKS1

Name: WEYERHAEUSER Contract: 8270

Code: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

crix: (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

C Cleanup: (Y/N) N pH: Dilution Factor: 1.0

CONCENTRATION UNITS:

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

CAS NO. 20000 U 108-95-2----Phenol U 20000 111-44-4-----bis(2-Chloroethyl)Ether\_ U 20000 95-57-8----2-Chlorophenol U 20000 541-73-1----1,3-Dichlorobenzene U 20000 106-46-7----1,4-Dichlorobenzene\_ U 20000 100-51-6----Benzyl Alcohol 20000 U 95-50-1-----1,2-Dichlorobenzene U 20000 95-48-7----2-Methylphenol U 39638-32-9----bis(2-Chloroisopropyl)Ether\_ 20000 U 20000 106-44-5----4-Methylphenol U 20000 621-64-7----N-Nitroso-Di-n-Propylamine U 20000 67-72-1-----Hexachloroethane\_\_ U 20000 98-95-3-----Nitrobenzene\_ U 20000 78-59-1----Isophorone U 20000 88-75-5----2-Nitrophenol U 20000 105-67-9----2,4-Dimethylphenol U 96000 65-85-0-----Benzoic Acid U 111-91-1----bis(2-Chloroethoxy)Methane\_ 20000 U 20000 120-83-2----2,4-Dichlorophenol U 120-82-1-----1,2,4-Trichlorobenzene\_ 20000 U 20000 91-20-3----Naphthalene U 20000 106-47-8-----4-Chloroaniline U 20000 87-68-3-----Hexachlorobutadiene U 20000 59-50-7----4-Chloro-3-Methylphenol\_ U 20000 91-57-6----2-Methylnaphthalene 20000 U 77-47-4-----Hexachlorocyclopentadiene U 20000 88-06-2-----2,4,6-Trichlorophenol\_ 96000 U 95-95-4----2,4,5-Trichlorophenol\_ U 20000 91-58-7----2-Chloronaphthalene\_\_ U 96000 88-74-4----2-Nitroaniline U 20000 131-11-3-----Dimethyl Phthalate U 20000 208-96-8-----Acenaphthylene 20000 606-20-2----2,6-Dinitrotoluene

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

			RATION U		
CAS NO.	COMPOUND	(ug/L o	r ug/Kg)	UG/KG	Q
99-09-3	3-Nitroaniline		:	96000	U
	Acenaphthene		<del></del> .	20000	บ็
51-28-5	2,4-Dinitrophen	ol.		96000	Ü
100-02-7	4-Nitrophenol	(O.E.,		96000	บ็
132-64-9	Dibenzofuran		<del></del>	20000	บ็
	2,4-Dinitrotolu		<del></del>	20000	۱۳
84-66-2	Diethylphthalat	.e.r.e	<del></del> }	20000	lΰ
7005-72-3	4-Chlorophenyl-	nhanvlathai	<del></del>	20000	Ü
86-73-7	Fluorene	pheny recher		20000	Ü
	4-Nitroaniline	·····	<del></del>	96000	บั
	4,6-Dinitro-2-M	ethylnhenol	<del></del>	96000	Ιΰ.
86-30-6	N-Nitrosodiphen	vlamine (1)	`	20000	ָט .
101-55-3	4-Bromophenyl-p	henvlether	'I	20000	บั
	Hexachlorobenze		[	20000	lΰ
	Pentachlorophen		<del></del> [	96000	ϋ
85-01-8	Phenanthrene		<del></del>	20000	บั
120-12-7	Anthracene			20000	lΰ
	Di-n-Butylphtha	late	<del></del>	20000	บั
206-44-0	Fluoranthene		<del></del>	20000	บั
129-00-0	Pyrene			20000	บั
85-68-7	Butylbenzylphth	alate	<del></del>	20000	บั
91-94-1	3,3'-Dichlorobe	nzidine		40000	ប្រ
56-55-3	Benzo(a)Anthrac	ene		20000	บั
218-01-9			<del></del>	20000	บั
117-81-7	bis(2-Ethylhexy	1) Phthalate	<u></u>	20000	บั
117-84-0	Di-n-Octyl Phth	alate	<b></b>	20000	บั
205-99-2	Benzo(b) Fluoran	thene	<del></del>	20000	บั
207-08-9	Benzo(k) Fluoran	thene		20000	ט d
50-32-8	Benzo(a) Pyrene			20000	บั
	Indeno $(1,2,3-cd)$	) Pyrene		20000	บั
53-70-3	Dibenz(a,h)Anth	racene		20000	lΰ
191-24-2	Benzo(g,h,i)Per	ylene		20000	ϋ
(1) - Cannot b	e separated from Di	phenylamine			_

1.F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SBLKS1

b Name: WEYERHAEUSER

Contract: 8270

b Code: WEYER Case No.: 06546 SAS No.:

SDG No.: 76619

trix: (soil/water) SOIL

Lab Sample ID:

SBLKS1

1.0 (g/mL) G

Lab File ID:

BN0825A

mple wt/vol:

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

C Cleanup: (Y/N) N

CAS NUMBER

pH:

Dilution Factor: 1.0

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

mber TICs found: 0

EST. CONC. RTCOMPOUND NAME

WAB505MS

ab Name: WEYERHAEUSER Contract: 8270

ab de: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

trix: (soil/water) SOIL Lab Sample ID: 76623MS

imple wt/vol: 1.1 (g/mL) G Lab File ID: BN0825H

avel: (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: 1.00

- ' '				
		CONCENTRATION	UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/l	•	Q
CAS NO.	COMPOUND	(49/ 2 02 49/ 2		~
i		1		
108-95-2	Phenol	j	21000	ប
111-44-4	bis(2-Chloroet	thvl)Ether	21000	ប
95-57-8	2-Chloropheno	1 -	21000	ប
	1,3-Dichlorobe		21000	U
106-46-7	1,4-Dichlorobe	enzene	21000	ប
100-51-6	Benzyl Alcoho	1	21000	U
95-50-1	1,2-Dichlorobe	enzene	21000	U
95-48-7	2-Methylpheno.	1	21000	ט
39638-32-9	bis(2-Chlorois	sopropyl)Ether	21000	U
106-44-5	4-Methylpheno	1	21000	ប
621-64-7	N-Nitroso-Di-	n-Propylamine	21000	U
	Hexachloroeth		21000	ប
	Nitrobenzene		21000	U
	Isophorone		21000	. ប
	2-Nitrophenol	,	21000	U
105-67-9	2,4-Dimethylp	nenol	21000	U
65-85-0	Benzoic Acid_		100000	ប
111-91-1	bis(2-Chloroe	thoxy) Methane	21000	ប
120-83-2	2,4-Dichlorop	henoi	21000	υ
120-82-1	1,2,4-Trichlo	robenzene	21000	ប
	Naphthalene		21000	ប
	4-Chloroanili	ne	21000	บ
	Hexachlorobut		21000	ប
59-50-7	4-Chloro-3-Me	thvlphenol	21000	U
91-57-6	2-Methylnapht	halene	21000	υ
77-47-4	Hexachlorocyc	lopentadiene	21000	ប
88-06-2	2,4,6-Trichlo	rophenol	21000	ប
	2,4,5-Trichlo		100000	υ
91-58-7	2-Chloronapht	halene	21000	ט
	2-Nitroanilin		100000	ប
131-11-3	Dimethyl Phth	alate	21000	υ
	Acenaphthylen		21000	U
	2,6-Dinitroto		21000	Ū
000 20 2	2,0 521125266			
				- I <del></del>

WAB505MS

Contract: 8270 ) Name: WEYERHAEUSER

SDG No.: 76619 Case No.: 06546 SAS No.: Code: WEYER

76623MS Lab Sample ID: :rix: (soil/water) SOIL

Lab File ID: BN0825H 1.1 (g/mL) G aple wt/vol:

Date Received: 08/23/91 (low/med) MED rel:

Date Extracted: 08/23/91 Moisture: not dec. 13 dec.

Date Analyzed: 08/26/91 raction: (SepF/Cont/Sonc) SONC

Dilution Factor: 1.00 Cleanup: (Y/N) N pH:

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

		•	1.
2 Nitroppiling	100000	U	
99-09-23-Nitroaniline	21000	Ū	•
83-32-9Acenaphthene	100000	U	- 1
51-28-52,4-Dinitrophenol	100000	Ū	
100-02-74-Nitrophenol	21000	Ū	
132-64-9Dibenzofuran	21000	Ιŭ	1
121-14-22,4-Dinitrotoluene	21000	Ū	
84-66-2Diethylphthalate	21000	บ	
7005-72-34-Chlorophenyl-phenylether	21000	Ū	
86-73-7Fluorene	100000	Ü	
100-10-64-Nitroaniline	100000	บั	1
534-52-14,6-Dinitro-2-Methylphenol	21000	บั	- :
86-30-6N-Nitrosodiphenylamine (1)	21000	Ιŭ	1
101-55-34-Bromophenyl-phenylether	21000	ŭ	
118-74-1Hexachlorobenzene	100000	Ιŭ	
87-86-5Pentachlorophenol	21000	Ü	
85-01-8Phenanthrene	21000	υ	. ]
120-12-7Anthracene	21000 21000	lü	1
84-74-2Di-n-Butylphthalate	21000 21000	Ιü	
206-44-0Fluoranthene		Ü	i
129-00-0Pyrene	21000	U	j
85-68-7Butylbenzylphthalate	21000	1 -	1
91-94-13,3'-Dichlorobenzione	41000	U	- 1
56-55-3Benzo(a) Anthracene	21000	Ü	
218-01-9Chrysene	21000	ប្រ	
117-81-7bis(2-Ethylhexyl)Phthalate	21000	Ü	
117-84-0Di-n-Octyl Phthalate	21000	U	İ
205-99-2Benzo(b) Fluoranthene	21000	<u>U</u>	ŀ
207-08-9Benzo(k)Fluoranthene	21000	U	
50-32-8Benzo(a) Pyrene	21000	Ū	
193-39-5Indeno(1,2,3-cd)Pyrene	21000	U	1
53-70-3Dibenz(a,h)Anthracene	21000	U	ļ
191-24-2Benzo(g,h,i)Perylene	21000	ן ט	]
		_	l

WAB505MSD

b Name: WEYERHAEUSER Contract: 8270

b de: WEYER Case No.: 06546 SAS No.: SDG No.: 76619

trix: (soil/water) SOIL Lab Sample ID: 76623MSD

imple wt/vol: 1.1 (g/mL) G Lab File ID: BN0825G

#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: 1.00

CAS NO.	COMPOUND		RATION U r ug/Kg)		Q
108-95-2 111-44-4 95-57-8 541-73-1 106-46-7 100-51-6 95-50-1 95-48-7 39638-32-9 106-44-5		1)Ether ene_ ene_ ropyl)Eth	er	21000 21000 21000 21000 21000 21000 21000 21000 21000 21000	ם ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט
67-72-1 98-95-3 78-59-1 88-75-5 105-67-9 65-85-0	Hexachloroethane Nitrobenzene	ol		21000 21000 21000 21000 21000 100000 21000	מממממ
120-83-2 120-82-1 91-20-3 106-47-8 87-68-3 59-50-7 91-57-6	2,4-Dichlorophen 1,2,4-Trichlorob Naphthalene 4-Chloroaniline Hexachlorobutadi 4-Chloro-3-Methy 2-Methylnaphthal	olenzeneeneeneeneeneene_		21000 21000 21000 21000 21000 21000 39000	ממממ
77-47-4 88-06-2 95-95-4 91-58-7 88-74-4 131-11-3 208-96-8	Hexachlorocyclop 2,4,6-Trichlorop 2,4,5-Trichlorop 2-Chloronaphthal 2-Nitroaniline Dimethyl Phthala Acenaphthylene 2,6-Dinitrotolue	entadiene henol henol ene te		21000 21000 100000 21000 100000 21000 21000	ם ם ם ם ם ם

Contract: 8270 b Name: WEYERHAEUSER

WAB505MSD

Case No.: 06546 SAS No.:

SDG No.: 76619

trix: (soil/water) SOIL

76623MSD Lab Sample ID:

mple wt/vol:

b Code: WEYER

1.1 (g/mL) G

Lab File ID: BN0825G

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: 1.00

CONCENTRATION UNITS:

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

1	-	
99-09-23-Nitroaniline	100000	σ.
83-32-9Acenaphthene	21000	שׁ
51-28-52,4-Dinitrophenol	100000	שׁ
100-02-74-Nitrophenol	100000	ט
132-64-9Dibenzofuran	21000	ט
121-14-22,4-Dinitrotoluene	21000	שׁוֹ
84-66-2Diethylphthalate	21000	שו
7005-72-34-Chlorophenyl-phenylether	21000	טו
7005=72-3=====4-Chiorophenyi-phenyieoner	21000	ľΰ
86-73-7Fluorene	100000	ט
100-10-64-Nitroaniline	100000	Ū
534-52-14,6-Dinitro-2-Methylphenol	21000	Ü
86-30-6N-Nitrosodiphenylamine (1)	21000	lΰ
101-55-34-Bromophenyl-phenylether	21000	Ü
118-74-1Hexachlorobenzene	100000	Ū
87-86-5Pentachlorophenol	21000	ี่ บั
85-01-8Phenanthrene	21000	Ü
120-12-7Anthracene	21000	lΰ
84-74-2Di-n-Butylphthalate	21000	lΰ
206-44-0Fluoranthene		lü
129-00-0Pyrene	21000	l u
85-68-7Butylbenzylphthalate	21000	1 -
91-94-13,3'-Dichlorobenzidine	41000	ŭ
56-55-3Benzo(a) Anthracene	21000	ñ
219_01_0Chrysene	21000	ū
117-81-7bis(2-Ethylhexyl)Phthalate	21000	Ω
117-84-0Di-n-Octyl Phthalate	21000	U
205-99-2Benzo(b) Fluoranthene	21000	שַׁ
207-08-9Benzo(k) Fluoranthene	21000	U
50-32-8Benzo(a) Pyrene	21000	<b>U</b>
193-39-5Indeno(1,2,3-cd) Pyrene	21000	լ
53-70-3Dibenz(a,h)Anthracene	21000	ľΰ
191-24-2Benzo(g,h,i)Perylene	21000	ט
4,71 64 6		_
The Company of the Control of the Co		

#### 2D SOIL SEMIVOLATILE SURROGATE RECOVERY

1b Name: WEYERHAEUSER

Contract: 8270

de: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

>vel:(low/med) MED

	(		γ	· · · · · · · · · · · · · · · · · · ·	,·				
	EPA	S1	S.2	S3	S4	S5	S6	OTHER	TOT
	SAMPLE NO.	(NBZ)#	(FBP)#	(TPH)#	(PHL)#	(2FP)#	(TBP) #		OUT
	=========	=====	=====	=====	======	=====	=====	=====	===
01	WAB501	75	72	79	62	70	101	0	Ιo
02	WAB501DL	0 D	49	77	24	32	37	o	Ιo
03	WAB502	73	65	97	57	66	81	0	Ō
04	WAB502DL	27	37	70	13 *	36	30	o ·	Ιī
05	WAB503	80	69	9.2	57	71	64	0	ō
06	WAB503DL	31	38	64	19 *	47	29	ō	i
07	WAB504	8.7	79	74	55	79	61	Ō	ō
08	WAB504DL	47	62	55	35	62	52	Ō	ō
09	WAB505	88	76	73	77	87	82	Ō	ō.
10	WAB505DL	62	64	67	50	77	54	Ō	o
11	WAB505MS	72	67	81	.71	89	69	ō	o l
12	WAB505MSD	67	74	73	72	79	73	Ō	ō
13	SBLKS1	98	87	91	85	91	75	ō	ō
- 1		[						·	
•									

				QC LIMITS
S1	(NBZ)	=	Nitrobenzene-d5	(23-120)
S2	(FBP)	=	2-Fluorobiphenyl	( 30-115)
$s_3$	(TPH)	=	Terphenyl	( 18-137)
S4	(PHL)	=	Phenol-d5	( 24-113)
S5	(2FP)	=	2-Fluorophenol ·	( 25-121)
S6	(TBP)	=	2,4,6-Tribromophenol	(19-122)

<sup>#</sup> Column to be used to flag recovery values
\* Values outside of contract required QC limits

D Surrogates diluted out

3 D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Name: WEYERHAEUSER

Contract: 8270

code: WEYER

Case No.: 06546

SAS No.:

SDG No.: 76619

crix 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_ 2-Chlorophenol_ 1,4-Dichlorobenzene_ N-Nitroso-di-n-prop.(1) 1,2,4-Trichlorobenzene_ 4-Chloro-3-methylphenol Acenaphthene_ 4-Nitrophenol_ 2,4-Dinitrotoluene_ Pentachlorophenol_ Pyrene_	209000 209000 209000 209000 209000 209000 209000 209000 209000 209000	0 0 0 0 0 0 0 0 335000	145000 127000 48700 44400 69900 190000 83700 162000 69500 289000 116000	69 61 23 * 21 * 33 * 91 40 78 33 53_22_* 56	26- 90 25-102 28 104 41 126 38 107 26 103 31-137 11-114 28- 89 17-109 35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LI RPD	REC.	
Phenol_ 2-Chlorophenol_ 1,4-Dichlorobenzene_ N-Nitroso-di-n-prop.(1) 1,2,4-Trichlorobenzene_ 4-Chloro-3-methylphenol Acenaphthene_ 4-Nitrophenol_ 2,4-Dinitrotoluene_ Pentachlorophenol_ Pyrene	209000 209000 209000 209000 209000 209000 209000 209000 209000	156000 132000 63400 45200 73000 153000 82400 147000 68600 222000 103000	75 63 30 22 * 35 * 73 39 70 33 41 54 * 49	-8 -3 -26 -5 -6 22 3 11 <b>2</b> 84	35 50 27 38 23 33 19 50 47 47 36	26- 90 25-102 28 104 41 126 38 107 26 103 31-137 11-114 28- 89 17-109 35-142	One

<sup>(1)</sup> N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk Values outside of QC limits

11 outside limits out of

> out of 22 outside limits pike Recovery:

76623 SR06546 MED DMMENTS:

40(1.5)-320@8(4) INST=FINN



## **A** Weyerhaeuser

Date November 2, 1992

From Dennis Catalano

Location Tacoma, WTC 2F25

Subject SR# 09727 Aberdeen Sawmill Excavation Samples

Τo Mick McCourt WTC 2H4

> Attached are the results from the samples you requested we analyze 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.

Dennis Catalano

Analytical Chemistry Laboratories

Attachment

cc: Gary Roethler WTC 2H4

ab Name: WEYERHAEUSER Contract: 8270

LCS9-25

ab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542

atrix: (soil/water) SOIL Lab Sample ID: LCS9-25

ample wt/vol: 30.0 (g/mL) G Lab File ID: BN1028F

evel: (low/med) LOW Date Received: 09/25/92

Moisture: decanted: (Y/N) N Date Extracted: 09/25/92

oncentrated 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.			<del>-1</del>
108-95-2	Phenol	1700	
111-11-11-	bis(2-Chloroethyl)Ether	330	U
AC E2 0		1800	
5/1721	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	330	U
106-16-7	1 4-Dichlorobenzene	1300	
100-40-7	1 2-Dichlorobenzene	330	Ü
95-50-1	2-Methylphenol	330	U
100-60-1	2,2-oxybis(1-Chloropropane)	330	U
108-60-1	4-Methylphenol	330	U
CO1 64-7	4-Methylphenol	1300	<b>!</b>
67-72-1	Hexachloroethane	330	U
01-12-I	Nitrobenzene	330	U
98-95-3	Isophorone	330	ן ט
78-59-1	2-Nitrophenol	330	U
88-/5-5	2 4-Dimothylphenol	330	ן ט
105-67-9	2,4-Dimethylphenol	330	lu l
TTT-8T-T	2,4-Dichlorophenol	330	U
120-83-2	1,2,4-Trichlorobenzene	1400	
120-82-1	Wanhthalone	330	ן ט
91-20-3	Naphthalene 4-Chloroaniline	330	ן ט
106-47-8	Hexachlorobutadiene	330	l <del>u</del> l
87-68-3	4-Chloro-3-Methylphenol		
59-50-7	2-Methylnaphthalene	330	lu l
91-57-6	Hexachlorocyclopentadiene	. •	U
77-47-4	Hexacritotocyctopencactene	_	ע
88-06-2	2,4,6-Trichlorophenol	. ł	ן ת
95-95-4	2,4,5-Trichlorophenol	. •	lŭ l
91-58-7	2-Chloronaphthalene	800	υ
88-74-4	2-Nitroaniline	_ 1	lΰ
131-11-3	Dimethyl Phthalate	•I III	ľΰ
208-96-8	Acenaphthylene	_ 4	U
606-20-2	2,6-Dinitrotoluene	<b>=</b>	U
99-09-2	3-Nitroaniline	1300	1
83-32-9	Acenaphthene	1300	
	FORM I SV-1		

Name: WEYERHAEUSER Contract: 8270 LCS9-25

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

	· · · · · · · · · · · · · · · · · · ·		
51-28-5	2,4-Dinitrophenol	800	U
100-02-7	4-Nitrophenol	1700	
	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	1400	1
84-66-2	Diethylphthalate	330	שו
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-01-6	4-Nitroaniline	800	υ
534-52-1	4,6-Dinitro-2-Methylphenol	800	ט
86-30-6	N-Nitrosodiphenylamine (1)	330	lυ
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	2500	В
85-01-8	Phenanthrene	330	Ū
	Anthracene	330	U
	Carbazole	330	Ū
84-74-2	Di-n-Butylphthalate	330	ĺυ
206-44-0	Fluoranthene	330	ΙŪ
129-00-0	Pyrene	1900	1
85-68-7	Butylbenzylphthalate	330	υ
91-94-1	3,3'-Dichlorobenzidine	330	U
56-55-3	Benzo(a) Anthracene	330	Ū
218-01-9	Chrysene	330	Ū
117-81-7	bis(2-Ethylhexyl)phthalate	330	Ū
117-84-0	Di-n-Octyl Phthalate	330	ĺΰ
205-99-2	Benzo(b)Fluoranthene	330	lΰ
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	Ū
193-39-5	Indeno(1,2,3-cd)Pyrene	330	Ū
53-70-3	Dibenz(a,h)Anthracene	330	Ŭ
101 24 2	Benzo(g,h,i)Perylene	330	Ū

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

LCS9-25

ab Name: WEYERHAEUSER

Contract: 8270

ab Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

atrix: (soil/water) SOIL

Lab Sample ID: LCS9-25

ample wt/vol:

30.0 (g/mL) G

Lab File ID:

BN1028F

LOW (low/med)

Date Received:

09/25/92

Moisture:

evel:

decanted: (Y/N) N

Date Extracted: 09/25/92

oncentrated Extract Volume: 500.0

(uL)

Date Analyzed:

10/28/92

njection Volume: 2.0(uL)

Dilution Factor:

1.0

PC Cleanup: (Y/N) Y pH:

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

umber TICs found:

CAS NUMBER

EST. CONC. RTCOMPOUND NAME

EPA SAMPLE NO.

war Name: WEYERHAEUSER Contract: 8270

WEY-AB-OE1 EAST WAN 31 Den 12

Lab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542

Matrix: (soil/water) SOIL Lab Sample ID: 96542

#ample 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:

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

108-95-2Phenol	290000	ប
111-44-4bis(2-Chloroethyl)Ether	290000	ט
95-57-82-Chlorophenol	290000	U
541-73-11,3-Dichlorobenzene	290000	U
106-46-71,4-Dichlorobenzene	290000	U
95-50-11,2-Dichlorobenzene	290000	ט
95-48-72-Methylphenol	290000	ט
108-60-12, 2-oxybis(1-Chloropropane)	290000	ט
106-44-54-Methylphenol	290000	ט
621-64-7N-Nitroso-Di-n-Propylamine	290000	ט
6/-/2-1Hexacnioroetnane	290000	ט
98-95-3Nitrobenzene	290000	ט
78-59-1Isophorone	290000	U
88-75-52-Nitrophenol	290000	ប
105-67-92,4-Dimethylphenol	290000	U
111-91-1bis(2-Chloroethoxy) Methane	290000	U
120-83-22,4-Dichlorophenol	290000	U
120-82-11,2,4-Trichlorobenzene	290000	U
91-20-3Naphthalene	290000	U
106-47-84-Chloroaniline	290000	U
87-68-3Hexachlorobutadiene	290000	ט
59-50-74-Chloro-3-Methylphenol	290000	U
91-57-62-Methylnaphthalene	290000	U
77-47-4Hexachlorocyclopentadiene	290000	U
88-06-22,4,6-Trichlorophenol_	290000	U
95-95-42,4,5-Trichlorophenol	700000	U
91-58-72-Chloronaphthalene	290000	U
88-74-42-Nitroaniline	700000	U
131-11-3Dimethyl Phthalate	290000	U
208-96-8Acenaphthylene	290000	U
606-20-22,6-Dinitrotoluene	290000	U
99-09-23-Nitroaniline	700000	U
83-32-9Acenaphthene	290000	U

ab Name: WEYERHAEUSER Contract: 8270

WEY-AB-OE1

ab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542

atrix: (soil/water) SOIL Lab Sample ID: 96542

ample wt/vol: 30.3 (g/mL) G Lab File ID: BN1029A

evel: (low/med) LOW Date Received: 09/18/92

Moisture: 15 decanted: (Y/N) N Date Extracted: 09/25/92

oncentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92

njection Volume: 2.0(uL) Dilution Factor: 750.0

PC Cleanup: (Y/N) Y pH: 5.8 CONCENTRATION UNITS:

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

		1
51-28-52,4-Dinitrophenol	700000	บ
100-02-74-Nitrophenol	700000	บ
132-64-9Dibenzofuran	290000	U ·
121-14-22,4-Dinitrotoluene	290000	ប
84-66-2Diethylphthalate	290000	U
7005-72-34-Chlorophenyl-phenylether	290000	Ū
86-73-7Fluorene	290000	ប
100-01-64-Nitroaniline	700000	U
534-52-14,6-Dinitro-2-Methylphenol	700000	U
86-30-6N-Nitrosodiphenylamine (1)	290000	บ
101-55-34-Bromophenyl-phenylether	290000	υ
118-74-1Hexachlorobenzene	290000	U
87-86-5Pentachlorophenol	1000000	В
85-01-8Phenanthrene	290000	U
120-12-7Anthracene	290000	שׁ
86-74-8Carbazole	290000	U
84-74-2Di-n-Butylphthalate	290000	ט
206-44-0Fluoranthene	290000	U
129-00-0Pyrene	290000	ן ט
85-68-7Butylbenzylphthalate	290000	Įΰ
91-94-13,3'-Dichlorobenzidine	290000	U
56-55-3Benzo(a) Anthracene	290000	ប
218-01-9Chrysene	290000	υ
117-81-7bis(2-Ethylhexyl)phthalate	290000	U
117-84-0Di-n-Octyl Phthalate	290000	ប
205-99-2Benzo(b) Fluoranthene	290000	ប
207-08-9Benzo(k) Fluoranthene	290000	U
50-32-8Benzo(a) Pyrene	290000	ប
193-39-5Indeno(1,2,3-cd)Pyrene	290000	U
53-70-3Dibenz(a,h)Anthracene	290000	ប
191-24-2Benzo(g,h,i) Perylene	290000	ប
) - Cannot be separated from Diphenylamine		

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EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

ab Name: WEYERHAEUSER

Contract: 8270

WEY-AB-OE1 EAST WHILE 31

₩ Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

atrix: (soil/water) SOIL

Lab Sample ID: 96542

ample wt/vol:

30.3 (g/mL) G

Lab File ID:

BN1029A

wevel:

(low/med) LOW

Date Received:

09/18/92

Moisture:

15

decanted: (Y/N) N

Date Extracted: 09/25/92

Concentrated Extract Volume: 500.0

Date Analyzed:

10/29/92

injection Volume:

Number TICs found:

2.0(uL)

Dilution Factor:

750.0

#PC Cleanup:

(Y/N) Y

pH: 5.8

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	 ЈИ

(uL)

Contract: 8270 ab Name: WEYERHAEUSER

WEY-AB-OE2 North Wall 31dex

SDG No.: 96542 SAS No.: Case No.: 09727 ab Code: WEYER

Lab Sample ID: 96543 atrix: (soil/water) SOIL

Lab File ID: BN1028H 30.4 (g/mL) Gample wt/vol:

Date Received: 09/18/92 (low/med) LOW evel:

Date Extracted: 09/25/92 decanted: (Y/N) N Moisture: 14

10/28/92 Date Analyzed: oncentrated Extract Volume: 500.0 (uL)

Dilution Factor:

njection Volume: 2.0(uL) 5.7

pH:

(Y/N) Y

PC Cleanup:

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

380 IJ 108-95-2----Phenol 111-44-4-----bis(2-Chloroethyl)Ether\_ U 380 380 U 95-57-8----2-Chlorophenol U 380 541-73-1----1,3-Dichlorobenzene U 380 106-46-7----1,4-Dichlorobenzene\_ 380 U 95-50-1-----1,2-Dichlorobenzene 380 U 95-48-7----2-Methylphenol 108-60-1----2,2-oxybis(1-Chloropropane)\_ U 380 U 380 106-44-5----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 380 U 380 67-72-1-----Hexachloroethane\_\_\_\_ Ü 380 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\_ 111-91-1----bis(2-Chloroethoxy)Methane\_ 380 U U 380 120-83-2----2,4-Dichlorophenol 380 U 120-82-1----1,2,4-Trichlorobenzene\_ U 380 91-20-3----Naphthalene U 380 106-47-8----4-Chloroaniline U 380 87-68-3-----Hexachlorobutadiene 380 U 59-50-7----4-Chloro-3-Methylphenol\_ U 380 91-57-6----2-Methylnaphthalene U 380 77-47-4-----Hexachlorocyclopentadiene\_ U 380 88-06-2----2,4,6-Trichlorophenol\_ J 53 95-95-4----2,4,5-Trichlorophenol\_ U 380 91-58-7----2-Chloronaphthalene\_ U 920 88-74-4----2-Nitroaniline U 380 131-11-3-----Dimethyl Phthalate\_ U 208-96-8-----Acenaphthylene 380 606-20-2----2,6-Dinitrotoluene\_\_\_\_ 380 U 920 IJ 99-09-2----3-Nitroaniline\_ U 380 83-32-9-----Acenaphthene\_\_\_ FORM I SV-1

Jab Name: WEYERHAEUSER Contract: 8270 Dorth WALL 31

BN1028H

Lab File ID:

ab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542

30.4 (g/mL) G

Matrix: (soil/water) SOIL Lab Sample ID: 96543

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

JPC Cleanup: (Y/N) Y pH: 5.7

Sample wt/vol:

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

	, , , , , , , , , , , , , , , , , , ,	1
51-28-52,4-Dinitrophenol	920	lυ
100-02-74-Nitrophenol	920	U
132-64-9Dibenzofuran	380	U
121-14-22,4-Dinitrotoluene	380	U
84-66-2Diethylphthalate	380	ĺυ
7005-72-34-Chlorophenyl-phenylether	380	Ū
86-73-7Fluorene	380	lυ
100-01-64-Nitroaniline	920	U
534-52-14,6-Dinitro-2-Methylphenol	920	U
86-30-6N-Nitrosodiphenylamine (1)	380	lυ
101-55-34-Bromophenyl-phenylether	380	ប
118-74-1Hexachlorobenzene	380	טן
87-86-5Pentachlorophenol	2100	В
85-01-8Phenanthrene	380	U
120-12-7Anthracene	380	υ
86-74-8Carbazole	380	ប
84-74-2Di-n-Butylphthalate	380	שׁן
206-44-0Fluoranthene	380	שו
1 10 - 00 - 0 Director	380	lυ
85-68-7Butylbenzylphthalate	380	U
91-94-13,3 <sup>7</sup> -Dichlorobenzidine	380	U
56-55-3Benzo(a) Anthracene	380	υ
218-01-9Chrysene	380	U
117-81-7bis(2-Ethylhexyl)phthalate	170	J
117-84-0Di-n-Octyl Phthalate	380	lυ
205-99-2Benzo(b)Fluoranthene	380	Ū
207-08-9Benzo(k) Fluoranthene	380	U
50=32=8Benzo(a) Pyrene	380	ĺΰ
193-39-5Indeno(1,2,3-cd)Pyrene	380	U
53-70-3Dibenz(a,h)Anthracene	380	Ū
191-24-2Benzo(g,h,i)Perylene	380	U
- Cannot be separated from Diphenylamine		.1

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 8270

WEY-AB-OE2 Nonth wall 31

ab Code: WEYER

ab Name: WEYERHAEUSER

Case No.: 09727

SAS No.:

SDG No.: 96542

atrix: (soil/water) SOIL

Lab Sample ID:

96543

ample wt/vol:

Lab File ID:

BN1028H

30.4 (g/mL) G

Date Received: 09/18/92

Moisture:

evel: (low/med) LOW

decanted: (Y/N) N Date Extracted: 09/25/92

14

oncentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/28/92

njection Volume: 2.0(uL)

Dilution Factor:

PC Cleanup: (Y/N) Y

pH: 5.7

umber TICs found: 10

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

CAS NUMBER	COMPOUND NAME	RT =======	EST. CONC.	Q =====
1. 123-42-2 2. 100-52-7 3. 4901-51-3 4. 10463-10-2 5. 6. 7. 8. 9. 10.	2-PENTANONE, 4-HYDROXY-4-MET BENZALDEHYDE PHENOL, 2,3,4,5-TETRACHLORO- BENZENE, PENTACHLOROETHOXY- UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN	5.18 7.43 18.45 21.90 32.69 33.31 33.69 35.06 35.41 35.86	9900 180 230 180 62 330 270 190 130	BJNA BJN JN J J J J J

EPA SAMPLE NO.

•

WEY-AB-OE3

ab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542

Contract: 8270

(atrix: (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

njection Volume: 2.0(uL) Dilution Factor: 950.0

PC Cleanup: (Y/N) Y pH: 5.2

ab Name: WEYERHAEUSER

CONCENTRATION UNITS:

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

108-95-2Phenol	360000	υ
111-44-4bis(2-Chloroethyl)Ether	360000	שׁ
95-57-82-Chlorophenol	360000	U
541-73-11,3-Dichlorobenzene	360000	U
106-46-71,4-Dichlorobenzene	360000	U
95-50-11,2-Dichlorobenzene	360000	บ
95-48-72-Methylphenol	360000	บ
108-60-12,2-oxybis(1-Chloropropane)	360000	U
106-44-54-Methylphenol	360000	U
621-64-7N-Nitroso-Di-n-Propylamine	360000	บ
67-72-1Hexachloroethane	360000	<b>ע</b>
98-95-3Nitrobenzene	360000	U
78-59-1Isophorone	360000	U
88-75-52-Nitrophenol	360000	U
105-67-92,4-Dimethylphenol	360000	ן ט
111-91-1bis(2-Chloroethoxy)Methane	360000	ט
120-83-22,4-Dichlorophenol	360000	ן ט
120-82-11,2,4-Trichlorobenzene	360000	U
91-20-3Naphthalene	360000	U
106-47-84-Chloroaniline	360000	U
87-68-3Hexachlorobutadiene	360000	U
59-50-74-Chloro-3-Methylphenol	360000	U
91-57-62-Methylnaphthalene	360000	.   U
77-47-4Hexachlorocyclopentadiene	360000	U
88-06-22,4,6-Trichlorophenol	360000	שׁ
95-95-42,4,5-Trichlorophenol	880000	ט
91-58-72-Chloronaphthalene	360000	บ
88-74-42-Nitroaniline	880000	ט
131-11-3Dimethyl Phthalate	360000	U
208-96-8Acenaphthylene	360000	U
606-20-22,6-Dinitrotoluene	360000	U
99-09-23-Nitroaniline	880000	U
83-32-9Acenaphthene	360000	U

FORM I SV-1

Q

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WEY-AB-OE3 Surth wall 3' Contract: 8270 ab Name: WEYERHAEUSER

SDG No.: 96542 Case No.: 09727 SAS No.: ab Code: WEYER

Lab Sample ID: 96544 (atrix: (soil/water) SOIL

Lab File ID: BN1029B 3ample wt/vol: 30.5 (q/mL) G

Date Received: 09/18/92 (low/med) LOW Level:

Date Extracted: 09/25/92 decanted: (Y/N) N 15 Moisture:

10/29/92 Date Analyzed: (uL) Concentrated Extract Volume: 500.0

Dilution Factor: 950.0

2.0(uL) Injection Volume:

pH:

GPC Cleanup: (Y/N) Y CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG COMPOUND CAS NO.

5.2

880000 U 51-28-5----2,4-Dinitrophenol\_\_\_\_\_ U 880000 100-02-7-----4-Nitrophenol U 360000 132-64-9-----Dibenzofuran\_ 360000 U 121-14-2----2,4-Dinitrotoluene\_ 360000 U 84-66-2----Diethylphthalate U 7005-72-3----4-Chlorophenyl-phenylether 360000 360000 U 86-73-7----Fluorene 000088 U 100-01-6----4-Nitroaniline 534-52-1----4,6-Dinitro-2-Methylphenol U 880000 U 360000 86-30-6----N-Nitrosodiphenylamine (1) U 360000 101-55-3----4-Bromophenyl-phenylether U 360000 118-74-1-----Hexachlorobenzene\_ В 1400000 87-86-5-----Pentachlorophenol\_ U 360000 85-01-8-----Phenanthrene U 360000 120-12-7----Anthracene\_ U 360000 86-74-8-----Carbazole U 360000 84-74-2----Di-n-Butylphthalate\_ 360000 U 206-44-0-----Fluoranthene 360000 U 129-00-0-----Pyrene 360000 U 85-68-7-----Butylbenzylphthalate U 360000 91-94-1----3,3'-Dichlorobenzidine\_ U 360000 56-55-3----Benzo(a) Anthracene\_\_\_ U 360000 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)phthalate 360000 U 360000 117-84-0-----Di-n-Octyl Phthalate\_ U 360000 205-99-2----Benzo(b) Fluoranthene U 360000 207-08-9----Benzo(k)Fluoranthene U 360000 50-32-8-----Benzo (a) Pyrene U 360000 193-39-5----Indeno(1,2,3-cd)Pyrene\_ U 360000 53-70-3----Dibenz(a,h)Anthracene U 360000 191-24-2----Benzo(g,h,i)Perylene (1) - Cannot be separated from Diphenylamine

#### 1F

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

WEY-AB-OE3

ab Name: WEYERHAEUSER

Contract: 8270

Sporth walls

ab Code: WEYER

Case No.: 09727

SAS No.:

SDG No.: 96542

!atrix: (soil/water) SOIL

Lab Sample ID: 96544

#ample wt/vol:

30.5 (g/mL) G

Lab File ID:

BN1029B

∡evel:

(low/med) LOW Date Received:

09/18/92

Moisture:

15

Concentrated Extract Volume: 500.0

decanted: (Y/N) N

Date Extracted: 09/25/92

Date Analyzed: 10/29/92

Injection Volume:

2.0(uL)

Dilution Factor:

950.0

PC Cleanup:

(Y/N) Y

Number TICs found:

pH: 5.2

> 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	

(uL)

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

WEY-AB-OE4 Flor Center SI

ab Name: WEYERHAEUSER

Contract: 8270

ab Code: WEYER Case No.: 09727

SAS No.:

SDG No.: 96542

atrix: (soil/water) SOIL

Lab Sample ID: 96545

ample wt/vol: 30.7 (g/mL) G

Lab File ID: BN1029C

evel: (low/med) LOW

Date Received: 09/18/92

Moisture: 14 decanted: (Y/N) N

Date Extracted: 09/25/92

oncentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92

njection 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

		<del></del>	e-
	750000	บ	
108-95-2Phenol	750000	บี	ļ
111-44-4bis(2-Chloroethyl)Ether	750000	ϋ	1
os same	750000 750000	บ	
541-73-11,3-Dichlorobenzene		ט	
106-46-71,4-Dichloropenzene	750000	ט	
95-50-11,2-Dichlorobenzene	750000	-	1
	750000	Ü	1
108-60-12,2-oxybis(1-Chioropropane)	750000	U	1
106-11-5	750000	U	
621-64-7N-Nitroso-Di-n-Propylamine	750000	<u>U</u>	l
67-72-1Hexachloroethane	750000	Ū	1
98-95-3Nitrobenzene	750000	U	
78-59-1Isophorone	750000	U	
88-75-52-Nitrophenol	750000	U	
ios cz.o A-Dimethylphenol	750000	บ	
111-91-1bis(2-Chloroethoxy) Methane	750000	\ <b>U</b>	1
111-91-1	750000	U	
120-83-22,4-Dichlorophenol	750000	ប	1
120-82-11,2,4-Trichlorobenzene	750000	២	
91-20-3Naphthalene	750000	ΰ	
106-47-84-Chloroaniline	750000	Ū	
87-68-3Hexachlorobutadiene	750000	Ū	
59-50-74-Chloro-3-Methylphenol	750000	บ	
91-57-62-Methylnaphthalene	750000	บั	
77-47-4Hexachlorocyclopentadiene	750000 750000	Ü	ļ
88-06-22,4,6-Trichlorophenol	1800000	υ	Ì
95-95-42.4.5-Trichlorophenol		บี	
91-58-72-Chloronaphthalene	750000	บ็	ł
88-74-42-Nitroaniline	1800000	1 -	
131-11-3Dimethyl Phthalate	750000	Ü	
200-06-8Acenaphthylene	750000	U	
606-20-22,6-Dinitrotoluene	750000	U	
99-09-23-Nitroaniline	1800000	ប	
83-32-9Acenaphthene	750000	U	1
03-34-9		_	_  3/90

Ab Name: WEYERHAEUSER . Contract: 8270

WEY-AB-OE4 Flor center 5

Case No.: 09727 SAS No.:

SDG No.: 96542

fatrix: (soil/water) SOIL

Lab Sample ID: 96545

mple wt/vol:

ab Code: WEYER

30.7 (g/mL) G

Lab File ID: BN1029C

wevel: (low/med) LOW

Date Received: 09/18/92

Moisture:

14 decanted: (Y/N) N

Date Extracted: 09/25/92

oncentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/29/92

njection Volume:

2.0 (uL)

.

Dilution Factor:

CONCENTRATION UNITS:

2000.0

PC Cleanup: (Y/N) Y

pH: 6.4

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

51-28-52,4-Dinitrophenol	1800000	U
100-02-74-Nitrophenol	1800000	lυ
132-64-9Dibenzofuran	750000	שׁ
121-14-22,4-Dinitrotoluene	750000	Ū
84-66-2Diethylphthalate	750000	Ū
7005-72-34-Chlorophenyl-phenylether	750000	บ
86-73-7Fluorene	750000	ប
100-01-64-Nitroaniline	1800000	บ
534-52-14,6-Dinitro-2-Methylphenol_	1800000	שׁ
86-30-6N-Nitrosodiphenylamine (1)	750000	U
101-55-34-Bromophenyl-phenylether	750000	ប
118-74-1Hexachlorobenzene	750000	ប
87-86-5Pentachlorophenol	6000000	В
85-01-8Phenanthrene	750000	ប
120-12-7Anthracene	750000	ប
86-74-8Carbazole	750000	ប
84-74-2Di-n-Butylphthalate	750000	ប
206-44-0Fluoranthene	750000	ប
129-00-0Pyrene	750000	U
85-68-7Butylbenzylphthalate	750000	บ
91-94-13,37-Dichlorobenzidine	750000	ซ
56-55-3Benzo(a)Anthracene	750000	U
218-01-9Chrysene	750000	U
117-81-7bis(2-Ethylhexyl)phthalate	750000	U
117-84-0Di-n-Octyl Phthalate	750000	U
205-99-2Benzo(b) Fluoranthene	750000	U
207-08-9Benzo(k)Fluoranthene	750000	U
50-32-8Benzo(a) Pyrene	750000	U
193-39-5Indeno(1,2,3-cd)Pyrene	750000	U
53-70-3Dibenz(a,h)Anthracene	750000	U
191-24-2Benzo(g,h,i)Perylene	750000	บ

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

WEY-AB-OE4

ab Name: WEYERHAEUSER

Contract: 8270

Floor center 5'

ab Code: WEYER

Case No.: 09727 SAS No.:

(uL)

SDG No.: 96542

atrix: (soil/water) SOIL

Lab Sample ID:

96545

ample wt/vol:

30.7 (g/mL) G

decanted: (Y/N) N

Lab File ID:

BN1029C

LOW

Date Received: 09/18/92

: Moisture:

evel:

(low/med)

14

Date Extracted: 09/25/92

oncentrated Extract Volume: 500.0

Date Analyzed: 10/29/92

injection Volume: 2.0(uL)

Dilution Factor:

2000.0

PC Cleanup: (Y/N) Y

pH: 6.4

umber TICs found:

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

<del></del>				i
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1, 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	19.44	200000	JN

EPA SAMPLE NO.

Sab Name: WEYERHAEUSER Contract: 8270 WEY-AB-OE5 Wey-AB-OE5

ab Code: WEYER Case No.: 09727 SAS No.: SDG No.: 96542

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

	, - 3,		
108-95-2	Phenol	1700	ש
111-44-4	bis(2-Chloroethyl)Ether	1700	Ū
95-57-8	2-Chlorophenol	1700	Ü
541-73-1	1,3-Dichlorobenzene	<sup>-</sup>   1700	\u00fc
106-46-7	1.4-Dichlorobenzene	1700	ט
95-50-1	1,2-Dichlorobenzene	1700	U
95-48-7	2-Methylphenol	1700	ט
108-60-1	2,2-oxybis(1-Chloropropane)_	1700	-   ซ
106-44-5	4-Methylphenol	1700	ן ט
621-64-7	N-Nitroso-Di-n-Propylamine	1700	ľΰ
67-72-1	Hexachloroethane	1700	U
	Nitrobenzene	_  1700	U
78-59-1	Isophorone	1700	U
	2-Nitrophenol	1700	Jυ
105-67-9	2,4-Dimethylphenol	1700	U
111-91-1	bis(2-Chloroethoxy)Methane	_  1700	U
120-83-2	2,4-Dichlorophenol	1700	ט
	1,2,4-Trichlorobenzene	1700	U
91-20-3	Naphthalene	[  1700	U
	4-Chloroaniline	[  1700	Įυ
	Hexachlorobutadiene	1700	U
59-50-7	4-Chloro-3-Methylphenol	<u> </u>	U
91-57-6	2-Methylnaphthalene	<u> </u>	U
77-47-4	Hexachlorocyclopentadiene	1700	ט
88-06-2	2,4,6-Trichlorophenol	<b>1700</b>	ן ט
95-95-4	2,4,5-Trichlorophenol	4200	ן די
91-58-7	2-Chloronaphthalene	1700	ן ט
88-74-4	2-Nitroaniline	4200	ט
131-11-3	Dimethyl Phthalate	_ _ 1700	ט
208-96-8	Acenaphthylene	1700	U
606-20-2	2,6-Dinitrotoluene	1700	บ
99-09-2	3-Nitroaniline	4200	ט
83-32-9	Acenaphthene	1700	Ū
	FODM T CV-1		. I

ab Name: WEYERHAEUSER

WEY-AB-OE5 Wast wall 31 Contract: 8270

SDG No.: 96542 Case No.: 09727 SAS No.: ab Code: WEYER

Lab Sample ID: 96546 atrix: (soil/water) SOIL

BN1029D Lab File ID: 30.2 (g/mL) Gample wt/vol:

Date Received: 09/18/92 (low/med) LOW evel:

Date Extracted: 09/25/92 decanted: (Y/N) N 6 Moisture:

Date Analyzed: 10/29/92 oncentrated Extract Volume: 500.0 (uL)

Dilution Factor: 2.0(uL) njection Volume:

PC Cleanup: (Y/N) Y pH: 6.6 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q CAS NO. COMPOUND

Ü 51-28-5----2,4-Dinitrophenol\_\_\_\_ 4200 U 4200 100-02-7----4-Nitrophenol\_ U 1700 132-64-9-----Dibenzofuran\_ U 1700 121-14-2----2,4-Dinitrotoluene U 1700 84-66-2----Diethylphthalate\_ 7005-72-3----4-Chlorophenyl-phenylether\_ 1700 U 1700 U 86-73-7-----Fluorene 4200 U 100-01-6----4-Nitroaniline 534-52-1----4,6-Dinitro-2-Methylphenol 4200 U 1700 U 86-30-6----N-Nitrosodiphenylamine (1) 1700 U 101-55-3----4-Bromophenyl-phenylether\_\_\_ U 1700 118-74-1-----Hexachlorobenzene В 5500 87-86-5-----Pentachlorophenol\_\_\_\_ U 1700 85-01-8-----Phenanthrene U 1700 120-12-7-----Anthracene\_ 1700 U 86-74-8-----Carbazole U 84-74-2----Di-n-Butylphthalate 1700 1700 U 206-44-0-----Fluoranthene 1700 U 129-00-0----Pyrene 85-68-7-----Butylbenzylphthalate\_ 1700 U U 1700 91-94-1----3,3'-Dichlorobenzidine\_\_\_ 1700 U 56-55-3----Benzo(a)Anthracene\_ 1700 U 218-01-9-----Chrysene 117-81-7-----bis(2-Ethylhexyl)phthalate\_ U 1700 1700 U 117-84-0-----Di-n-Octyl Phthalate 1700 U 205-99-2----Benzo(b)Fluoranthene\_ U 1700 207-08-9----Benzo(k)Fluoranthene\_ U 1700 50-32-8-----Benzo(a) Pyrene 1700 193-39-5----Indeno (1,2,3-cd) Pyrene\_ U U 1700 53-70-3-----Dibenz(a,h)Anthracene\_\_\_ U 1700 191-24-2----Benzo(g,h,i)Perylene\_ (1) - Cannot be separated from Diphenylamine

**1**F

EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 8270

WEY-AB-OE5 West unll 31

ab code: WEYER

ab Name: WEYERHAEUSER

Case No.: 09727 SAS No.:

SDG No.: 96542

fatrix: (soil/water) SOIL

Lab Sample ID: 96546

∃ample wt/vol:

30.2 (g/mL) G

Lab File ID:

BN1029D

Low/med) LOW

6

Date Received: 09/18/92

\* Moisture:

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)

Number TICs found:

Dilution Factor: 5.0

\$PC Cleanup: (Y/N) Y

1

pH: 6.6

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	вјиа

EPA SAMPLE NO.

### 1 R SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: 8270 ab Name: WEYERHAEUSER

SBLKS1

ab Code: WEYER

Case No.: 09727 SAS No.:

(uL)

SDG No.: 96542

atrix: (soil/water) SOIL

Lab Sample ID: Lab File ID:

SBLKS1

ample wt/vol:

30.0 (g/mL) G

BN1028G

evel:

(low/med) LOW

oncentrated Extract Volume: 500.0

Date Received:

Date Extracted: 09/25/92

Moisture:

decanted: (Y/N) N

Date Analyzed: 10/28/92

njection Volume:

CAS NO.

2.0(uL)

COMPOUND

Dilution Factor:

1.0

PC Cleanup: (Y/N) Y

pH:

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

Q

U 330 108-95-2----Phenol U 111-44-4----bis(2-Chloroethyl)Ether 330 U 330 95-57-8----2-Chlorophenol U 330 541-73-1----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 108-60-1----2,2-oxybis(1-Chloropropane)\_ U 330 U 330 106-44-5----4-Methylphenol U 621-64-7----N-Nitroso-Di-n-Propylamine 330 330 U 67-72-1----Hexachloroethane U 330 98-95-3----Nitrobenzene U 330 78-59-1-----Isophorone U 330 88-75-5-----2-Nitrophenol U 105-67-9----2,4-Dimethylphenol\_ 330 U 111-91-1-----bis(2-Chloroethoxy)Methane 330 330 U 120-83-2----2,4-Dichlorophenol 120-82-1----1,2,4-Trichlorobenzene 330 U U 330 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\_ U 330 91-57-6----2-Methylnaphthalene U 77-47-4----Hexachlorocyclopentadiene 330 U 330 88-06-2----2,4,6-Trichlorophenol U 800 95-95-4----2,4,5-Trichlorophenol\_ U 330 91-58-7----2-Chloronaphthalene\_\_\_ U 800 88-74-4----2-Nitroaniline U 330 131-11-3----Dimethyl Phthalate\_ 330 U 208-96-8-----Acenaphthylene U 330 606-20-2----2,6-Dinitrotoluene U 800 99-09-2----3-Nitroaniline\_\_\_ U 330 83-32-9-----Acenaphthene\_

FORM I SV-1

<u>3</u>/90

SBLKS1

Lab Code: WEYER

Lab Name: WEYERHAEUSER

Case No.: 09727

SAS No.:

(uL)

Contract: 8270

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

Concentrated Extract Volume: 500.0

Date Received:

% Moisture:

decanted: (Y/N) N

Date Extracted: 09/25/92

10/28/92

Injection Volume:

CAS NO.

2.0(uL)

COMPOUND

Date Analyzed: Dilution Factor:

1.0

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS:

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

51 00 5		<u> </u>
51-28-52,4-Dinitrophenol	800	บ
100-02-74-Nitrophenol	800	U
132-64-9Dibenzofuran	330	ប
121-14-22,4-Dinitrotoluene	330	[ប
84-66-2Diethylphthalate	330	ប
7005-72-34-Chlorophenyl-phenylether	330	U
86-73-7Fluorene	330	ប
100-01-64-Nitroaniline	800	U
534-52-14,6-Dinitro-2-Methylphenol	800	ប
86-30-6N-Nitrosodiphenylamine (1)	330	บ
101-55-34-Bromophenyl-phenylether	330	บ
118-74-1Hexachlorobenzene	330	של
87-86-5Pentachlorophenol	47	J
B5-01-8Phenanthrene	330	ปซ
120-12-7Anthracene	330	ϋ
36-74-8Carbazole	330	Ū
B4-74-2Di-n-Butylphthalate	330	Ū
206-44-0Fluoranthene	330	Ū
129-00-0Pyrene	330	บั
35-68-7Butylbenzylphthalate	330	Ū
91-94-13,3'-Dichlorobenzidine	330	Ū
56-55-3Benzo(a)Anthracene	330	ี่บั
218-01-9Chrysene	330	ี่ ซึ่
117-81-7bis(2-Ethylhexyl)phthalate	330	ΰ
117-84-0Di-n-Octyl Phthalate	330	ϋ
205-99-2Benzo(b) Fluoranthene	330	Ιŭ
207-08-9Benzo(k)Fluoranthene	330	Ιŭ
50-32-8Benzo(a) Pyrene	330	Ü
193-39-5Indeno(1,2,3-cd)Pyrene	330	υ
53-70-3Dibenz (a,h) Anthracene	330	Ü
191-24-2Benzo(g,h,i)Perylene	330	บ็
- Cannot be separated from Diphenylamine	330	"

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SBLKS1

ib Name: WEYERHAEUSER

Contract: 8270

Case No.: 09727 SAS No.: ab Code: WEYER

SDG No.: 96542

atrix: (soil/water) SOIL

Lab Sample ID:

SBLKS1

30.0 (g/mL) G

Lab File ID:

BN1028G

ample wt/vol:

LOW evel: (low/med)

Date Received:

Moisture:

decanted: (Y/N) N

Date Extracted: 09/25/92

oncentrated Extract Volume: 500.0 (uL)

Date Analyzed: 10/28/92

njection Volume:

2.0(uL)

Dilution Factor:

PC Cleanup: (Y/N) Y

pH:

umber TICs found: 5

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q =====
1. 2. 123-42-2 3. 100-52-7 4. 98-88-4 5. 120-40-1	UNKNOWN 2-PENTANONE, 4-HYDROXY-4-MET BENZALDEHYDE BENZOYL CHLORIDE DODECANAMIDE, N,N-BIS(2-HYDR	7.45 13.10	64 6800 260 110 270	J JNA JN JN JN

1B EPA SAMPLE NO. SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lar Name: WEYERHAEUSER Contract: 8270

.

WEY-AB-OE1MS

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:

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

108-95-2	Phenol	290000	ט
111-44-4	bis(2-Chloroethyl)Ether	290000	שׁ
95-57-8	2-Chlorophenol	290000	U
541-73-1	1.3-Dichlorobenzene	290000	ט
106-46-7	1,4-Dichlorobenzene	290000	ט
95-50-1	1,4-Dichlorobenzene	290000	ט
OE 40 7	2 Matherlahamal	290000	ט
108-60-1	2,2-oxybis(1-Chloropropane)	290000	ט
106-44-5	4-Methylphenol	290000	U
621-64-7	N-Nitroso-Di-n-Propylamine	290000	ט
67-72-1	Hexachloroethane	290000	ט
98-95-3	Nitrobenzene	290000	U
	Isophorone	290000	ט
88-75-5	2-Nitrophenol	290000	ប
105-67-9	2,4-Dimethylphenol	290000	ן ט
111-91-1	bis(2-Chloroethoxy)Methane	290000	ט
120-23-2	2 4-Dichlorophenol	290000	ט
120-82-1	1,2,4-Trichlorobenzene	290000	ט
91-20-3	Naphthalene	290000	ן ט
106-47-8	4-Chloroaniline	290000	ט
87-68-3	Hexachlorobutadiene	290000	ַט
59-50-7	4-Chloro-3-Methylphenol	290000	ט
91-57-6	2-Methylnaphthalene	290000	U
77-47-4	Hexachlorocyclopentadiene	290000	ט
88-06-2	2,4,6-Trichlorophenol	290000	U
95-95-4	2,4,5-Trichlorophenol	700000	ט
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
	FORM T CV-1	_ 1	-1

WEY-AB-OEIMS

Contract: 8270 ab Name: WEYERHAEUSER

SDG No.: 96542 SAS No.: Case No.: 09727 ab Code: WEYER

Lab Sample ID: 96542MS atrix: (soil/water) SOIL

Lab File ID: BN1029E 30.3 (q/mL) G ample wt/vol:

09/18/92 Date Received: evel: (low/med) LOW

Date Extracted: 09/25/92 decanted: (Y/N) N : Moisture: 15

Date Analyzed: 10/29/92 oncentrated Extract Volume: 500.0 (uL)

Dilution Factor: 750.0

pH:

2.0(uL) njection Volume:

5.8 PC Cleanup: (Y/N) Y CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q CAS NO. COMPOUND

700000 U 51-28-5----2,4-Dinitrophenol\_\_\_\_ 700000 U 100-02-7----4-Nitrophenol\_ 290000 U 132-64-9-----Dibenzofuran\_ U 121-14-2----2,4-Dinitrotoluene 290000 290000 U 84-66-2----Diethylphthalate\_ 7005-72-3----4-Chlorophenyl-phenylether U 290000 U 290000 86-73-7----Fluorene 700000 U 100-01-6----4-Nitroaniline U 700000 534-52-1----4,6-Dinitro-2-Methylphenol 86-30-6----N-Nitrosodiphenylamine (1) U 290000 U 101-55-3----4-Bromophenyl-phenylether 290000 U 290000 118-74-1-----Hexachlorobenzene U 700000 87-86-5----Pentachlorophenol U 290000 85-01-8-----Phenanthrene\_ U 290000 120-12-7-----Anthracene\_ Ú 290000 86-74-8-----Carbazole U 290000 84-74-2----Di-n-Butylphthalate\_ U 290000 206-44-0-----Fluoranthene\_ U 290000 129-00-0-----Pyrene U 85-68-7----Butylbenzylphthalate 290000 91-94-1----3,37-Dichlorobenzidine U 290000 U 290000 56-55-3----Benzo(a)Anthracene U 290000 218-01-9-----Chrysene U 117-81-7-----bis(2-Ethylhexyl)phthalate 290000 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\_ U 290000 50-32-8-----Benzo(a) Pyrene U 193-39-5----Indeno(1,2,3-cd)Pyrene\_ 290000 U 290000 53-70-3-----Dibenz(a,h)Anthracene\_\_\_ U 290000 191-24-2----Benzo(g,h,i)Perylene\_\_\_ (1) - Cannot be separated from Diphenylamine

WEY-AB-OE1MSD

La' 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:

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

CIB NO.	(ug/	n or advida ogvid	Q
108-95-2		290000	ט
111-44-4	bis(2-Chloroethyl)Ether	290000	U
95-57-8	2-Chlorophenol	290000	ט
541-73-1	1.3-Dichlorobenzene	290000	ט
106-46-7	1,4-Dichlorobenzene	290000	ט
95-50-1	1,2-Dichlorobenzene	290000	טן
95-48-7	2-Methylphenol	290000	U
108-60-1	2,2-oxybis(1-Chloropropa	ne) 290000	ט
106-44-5	4-Methylphenol	290000	<b>ט</b>
621-64-7	N-Nitroso-Di-n-Propylami	ne 290000	ซ
67-72-1	Hexachloroethane	290000	ט
98-95-3	Nitrobenzene	290000	ַ ט
78-59-1	Isophorone	290000	U
88-75-5	2-Nitrophenol	290000	U
105-67-9	2,4-Dimethylphenol bis(2-Chloroethoxy)Metha	290000	U
111-91-1	bis(2-Chloroethoxy)Metha	ne 290000	ΰ
120-83-2	2,4-Dichlorophenol	290000	υ
120-82-1	1.2.4-Trichlorobenzene	290000	ט
91-20-3	Naphthalene	290000	υ
106-47-8	4-Chloroaniline	290000	ט
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	Hexachlorocyclopentadien	e 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	Ū
	Dimethyl Phthalate	290000	บ
208-96-8	Acenaphthylene	290000	ប
606-20-2	2,6-Dinitrotoluene	290000	Ū
99-09-2	3-Nitroaniline	700000	Ū
83-32-9	Acenaphthene	290000	U
			_1

WEY-AB-OE1MSD

Contract: 8270 ab Name: WEYERHAEUSER

SDG No.: 96542 ab Code: WEYER Case No.: 09727 SAS No.:

96542MSD Lab Sample ID: atrix: (soil/water) SOIL

Lab File ID: BN1029F 30.2 (g/mL) G ample wt/vol:

Date Received: 09/18/92 evel: (low/med) LOW

Date Extracted: 09/25/92 Moisture: 15 decanted: (Y/N) N

oncentrated Extract Volume: 500.0 (uL) Date Analyzed: 10/29/92

Dilution Factor: 750.0

njection Volume: 2.0(uL)

PC Cleanup: (Y/N) Y pH: 5.8 CONCENTRATION UNITS:

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

51-28-52,4-Dinitrophenol	700000	υ
100-02-74-Nitrophenol	700000	U
32-64-9Dibenzofuran	290000	U
21-14-22,4-Dinitrotoluene	290000	U
4-66-2Diethylphthalate	290000	U
7005-72-34-Chlorophenyl-phenylether	290000	∖ט
66-73-7Fluorene	290000	U
00-01-64-Nitroaniline	700.000	U
34-52-14,6-Dinitro-2-Methylphenol	700000	ט
36-30-6N-Nitrosodiphenylamine (1)	290000	U
01-55-34-Bromophenyl-phenylether	290000	U
18-74-1Hexachlorobenzene	290000	U
37-86-5Pentachlorophenol	700000	U
37-86-5Phenanthrene	290000	ប
20-12-7Anthracene	290000	Ü
36-74-8Carbazole	290000	υ
34-74-2Di-n-Butylphthalate	290000	U
206-44-0Fluoranthene	290000	U
	290000	שׁ
129-00-0Pyrene	290000	U
35-68-7Butylbenzylphthalate 91-94-13,3'-Dichlorobenzidine	290000	ט
91-94-13,3,-DICHIOIODENZIUMC	290000	σ
56-55-3Benzo(a) Anthracene	290000	υ
218-01-9Chrysene 117-81-7bis(2-Ethylhexyl)phthalate	290000	U
117-81-7DIS(2-EUNYINEXYI) phondidoc	290000	טן
117-84-0Di-n-Octyl Phthalate	290000	טן
205-99-2Benzo(b) Fluoranthene	290000	U
207-08-9Benzo(k) Fluoranthene	290000	Ū
50-32-8Benzo(a) Pyrene 193-39-5Indeno(1,2,3-cd) Pyrene	290000	ט ו
193-39-5Indeno(1,2,3-cd) Pyrene	290000	Ū
53-70-3	290000	Ü
) - Cannot be separated from Diphenylamine		



# **A** Weyerhaeuser

Date November 19, 1992

From Dennis Catalano

Location Tacoma, WTC 2F25

Subject SR# 09787 Aberdeen Sawmill Excavation for Penta/NP-1

Τo 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.

Dennis Catalano

Analytical Chemistry Laboratories

Attachment

1-NPERIPH

SDG No.: 96848

Contract: 8270 ab Name: WEYERHAEUSER

PC Cleanup: (Y/N) Y

SAS No.: ab Code: WEYER Case No.: 09787

Lab Sample ID: 96848 atrix: (soil/water) SOIL

Lab File ID: BN1030A 30.1 (g/mL) G ample wt/vol:

Date Received: 09/23/92 evel: (low/med) LOW

Date Extracted: 09/24/92 Moisture: 4 decanted: (Y/N) N

(uL) Date Analyzed: 10/30/92 oncentrated Extract Volume: 10000

Dilution Factor: injection Volume: 2.0(uL)

pH:

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

CAB NO.		<u> </u>	<del>                                     </del>
108-95-2	Phenol	6800	บ
111-44-4	bis(2-Chloroethyl)Ether	6800	ប
111-44-4	2-Chlorophenol	6800	ט
9545/46	1,3-Dichlorobenzene	6800	ี บ 📗
106-46-7	1,4-Dichlorobenzene	6800	ַט
106-46-7	1,2-Dichlorobenzene	6800	ט
95-50-1	2-Methylphenol	6800	ט
100-60-1	2,2-oxybis(1-Chloropropane)_	6800	ן ט
108-60-1	4-Methylphenol	6800	ี บ
106-44-5	N-Nitroso-Di-n-Propylamine	6800	υ·
621-64-7	Hexachloroethane	6800	ש
6/-/2-1	Nitrobenzene	6800	υ
98-95-3	Isophorone	6800	ט
/8-59-I	2.Witrophonol	6800	ט
88-/5-5	2-Nitrophenol	6800	U
105-6/-9	2,4-Dimethylphenol bis(2-Chloroethoxy)Methane	6800	ט
111-91-1	2. 4 Dighlerophonel	6800	lū
120-83-2	2,4-Dichlorophenol	6800	Ū
120-82-1	1,2,4-Trichlorobenzene	6800	บ
91-20-3	Naphthalene	6800	Ü
106-47-8	4-Chloroaniline	6800	υ
87-68-3 <b></b> -	Hexachlorobutadiene	6800	Ū
59-50-7	4-Chloro-3-Methylphenol	6800	ϋ
91-57-6	2-Methylnaphthalene	6800	บั
77-47-4	Hexachlorocyclopentadiene	6800	บั
88-06-2	2,4,6-Trichlorophenol	4600	Ĵ
95-95-4	2,4,5-Trichlorophenol	6800	Ū
91-58-7	2-Chloronaphthalene	17000	Ü
88-74-4	2-Nitroaniline	6800	บ
131-11-3	Dimethyl Phthalate		ט
208-96-8	Acenaphthylene	6800	
606-20-2	2,6-Dinitrotoluene	6800	U U
99-09-2	3-Nitroaniline	17000	I -
83-32-9	Acenaphthene	6800	ט

Lab Name: WEYERHAEUSER Contract: 8270 1-NPERIPH

Case No.: 09787

SAS No.:

(uL)

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96848

Sample wt/vol:

Lao Code: WEYER

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

CAS NO.

Concentrated Extract Volume: 10000

COMPOUND

Date Analyzed:

10/30/92

Injection Volume:

2.0(uL)

Dilution Factor:

GPC Cleanup: (Y/N) Y

pH:

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

Q

31-28-5	2,4-Dinitrophenol	17000	υ·
100-02-7	4-Nitrophenol	17000	ប
132-64-9	Dibenzofuran	6800	U
121-14-2	2,4-Dinitrotoluene	6800	lυ
84-66-2	Diethylphthalate	6800	U
7005-72-3	4-Chlorophenyl-phenylether	6800	ן ט
86-73-7	Fluorene	6800	ט
	4-Nitroaniline	17000	U
534-52-1	4,6-Dinitro-2-Methylphenol	17000	U
86-30-6	N-Nitrosodiphenylamine (1)	6800	ľυ
101-55-3	4-Bromophenyl-phenylether	6800	U
118-74-1	Hexachlorobenzene	6800	ן ט
87 <b>-</b> 86-5 <b></b> -	Pentachlorophenol	480000	E
85-01-8	Phenanthrene	6800	U
120-12 <b>-</b> 7	Anthracene_	6800	U
86-74-8- <b></b>	Carbazole	6800	U
84-74-2 <b></b>	Di-n-Butylphthalate	6800	שו
206-44-0	Fluoranthene	6800	Ū
129-00-0	Pyrene	6800	Ū
85-68-7	Butylbenzylphthalate	6800	U
91-94-1	3,3'-Dichlorobenzidine	6800	Ū
56-5 <b>5-3</b>	Benzo(a) Anthracene	6800	Ū
218-01-9	Chrysene	6800	Ü
117-81-7	bis(2-Ethylhexyl)phthalate	6800	Ū
L17-84-0	Di-n-Octyl Phthalate	6800	Ū
205-99 <b>-</b> 2	Benzo(b) Fluoranthene	6800	Ū
207-08-9	Benzo(k)Fluoranthene	6800	Ū
50-32-8	Benzo(a) Pyrene	6800	Ŭ
L93-39-5 <b></b> -	Indeno(1,2,3-cd)Pyrene	6800	บั
53-70-3	Dibenz(a,h)Anthracene	6800	Ιŭ
191-24-2	Benzo(g,h,i)Perylene	6800	Ü

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 8270 ab Name: WEYERHAEUSER

1-NPERIPH

ab Code: WEYER

Case No.: 09787 SAS No.:

SDG No.: 9.6848

Matrix: (soil/water) SOIL

Lab Sample ID:

96848

sample wt/vol:

30.1 (g/mL) G

Lab File ID:

BN1030A

LOW

Date Received:

09/23/92

evel:

(low/med)

Concentrated Extract Volume: 10000

Date Extracted: 09/24/92

Moisture:

decanted: (Y/N) N

(uL)

Date Analyzed:

10/30/92

Injection Volume:

2.0(uL)

Dilution Factor:

PC Cleanup: (Y/N) Y pH:

Number TICs found:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q 
2. 4901-51-3	2-PENTANONE, 4-HYDROXY-4-MET	5.38	9600	BJNA
	PHENOL, 2,3,4,5-TETRACHLORO-	19.47	38000	JN
	DODECANOIC ACID	19.69	3400	JN
	UNKNOWN	34.41	1400	J

1B

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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:

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

<del></del>		<del></del>		
108-95-2	Phenol	100000	ט	
111-44-4	bis(2-Chloroethyl)Ether_	100000	ט	
95-57-8	2-Chlorophenol	100000	ט	
541-73-1	1,3-Dichlorobenzene	100000	Įυ	
106-46-7	1,4-Dichlorobenzene	100000	Įυ	
95-50-1	1,2-Dichlorobenzene	100000	U	
95-48-7	2-Methylphenol	100000	U	
108-60-1	2,2-oxybis(1-Chloropropane)	100000	Įυ	
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	Ū	
88-75-5	2-Nitrophenol	100000	U	
105-67-9	2,4-Dimethylphenol	100000	ט	
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	Ū	
91-20-3	Naphthalene	100000	U	
106-47-8	4-Chloroaniline	100000	U	
87-68-3	Hexachlorobutadiene	100000	ט	
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	ט	
91-58-7	2-Chloronaphthalene	100000	U	
88-74-4	2-Nitroaniline	250000	ט	
131-11-3	Dimethyl Phthalate	100000	U	
208-96-8	Acenaphthylene	100000	ט	
606-20-2	2,6-Dinitrotoluene	100000	ט	
_	3-Nitroaniline	250000	lυ	
99-09-2	J-NICLOMITIE		1 -	

1-NPERIPHDL

ab Name: WEYERHAEUSER Contract: 8270

ab Code: WEYER Case No.: 09787 SAS No.: SDG No.: 96848

atrix: (soil/water) SOIL Lab Sample ID: 96848DL

ample wt/vol: 30.1 (g/mL) G Lab File ID: BN1030G

evel: (low/med) LOW Date Received: 09/23/92

Moisture: 4 decanted: (Y/N) N Date Extracted: 09/24/92

oncentrated Extract Volume: 10000 (uL) Date Analyzed: 10/30/92

njection Volume: 2.0(uL) Dilution Factor: 300

PC Cleanup: (Y/N) Y pH:

CONCENTRATION UNITS:

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

51-28-52,4-Dinitrophenol	250000	U
100-02-74-Nitrophenol	250000	U
132-64-9Dibenzofuran	100000	U
121-14-22,4-Dinitrotoluene	100000	U
34-66-2Diethylphthalate	100000	U
7005-72-34-Chlorophenyl-phenylether	100000	ប
36-73-7Fluorene	100000	Ū
100-01-64-Nitroaniline	250000	U
534-52-14,6-Dinitro-2-Methylphenol	250000	U
36-30-6N-Nitrosodiphenylamine (1)	100000	U
101-55-34-Bromophenyl-phenylether	100000	ប
118-74-1Hexachlorobenzene	100000	U
37-86-5Pentachlorophenol	290000	D
85-01-8Phenanthrene	100000	U
120-12-7Anthracene	100000	ប
86-74-8Carbazole	100000	U
84-74-2Di-n-Butylphthalate	100000	ប
206-44-0Fluoranthene	100000	U
129-00-0Pyrene	100000	ប
85-68-7Butylbenzylphthalate	100000	ប
91-94-13,3'-Dichlorobenzidine	100000	ប
56-55-3Benzo(a) Anthracene	100000	U
218-01-9Chrysene	100000	U
117-81-7bis(2-Ethylhexyl)phthalate	100000	Ū
117-84-0Di-n-Octyl Phthalate	100000	ប
205-99-2Benzo(b) Fluoranthene	100000	ប
207-08-9Benzo(k) Fluoranthene	100000	υ
50-32-8Benzo(a) Pyrene	100000	Ū
193-39-5Indeno(1,2,3-cd)Pyrene	100000	U
53-70-3Dibenz(a,h)Anthracene	100000	ប
191-24-2Benzo(g,h,i) Perylene	100000	Ū
131-24-2Delizo(A)11/1/101/1010		1

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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

Concentrated Extract Volume: 10000

Date Received:

09/23/92

% Moisture:

decanted: (Y/N) N

(uL)

Date Extracted: 09/24/92

10/30/92

Injection Volume:

2.0(uL)

Date Analyzed: Dilution Factor:

300

GPC Cleanup: (Y/N) Y

pH:

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

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 4901-51-3	PHENOL, 2,3,4,5-TETRACHLORO-	19.42	22000	JN

2CENTER

Lab Name: WEYERHAEUSER Contract: 8270

FPC Cleanup: (Y/N) Y pH:

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

CONCENTRATION UNITS:

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

	Dh and I	6800	טו
108-95-2	bis(2-Chloroethyl)Ether	6800	Ü
111-44-4	bis(2-chioroechyr) Echer	6800	ϋ
95-57-8	2-Chlorophenol	6800	บั
541-/3-1	1,3-Dichlorobenzene	6800	บั
106-46-7	1,4-Dichlorobenzene	6800	บั
95-50-1	1,2-Dichlorobenzene	6800	บั
95-48-7	2-Methylphenol	6800	ϋ
108-60-1	2,2-oxybis(1-Chloropropane)	6800	โซ
106-44-5	4-Methylphenol	6800	ซื
621-64-7	N-Nitroso-Di-n-Propylamine	6800	Ü
	Hexachloroethane	6800	ŭ
	Nitrobenzene	6800	ϋ
	Isophorone	6800	บ็
88-75-5	2-Nitrophenol	6800	Ü
105-67-9	2,4-Dimethylphenol	6800	บ
111-91-1	bis(2-Chloroethoxy)Methane	·	ט
120-83-2	2,4-Dichlorophenol	6800 6800	ט
120-82-1	1,2,4-Trichlorobenzene		
91-20-3	Naphthalene	6800	U
	4-Chloroaniline	6800	U
87-68-3	Hexachlorobutadiene	6800	ū
59-50-7	4-Chloro-3-Methylphenol	6800	Ü
91-57-6	2-Methylnaphthalene	6800	ប្រ
77-47-4	Hexachlorocyclopentadiene	6800	ր
88-06-2	2,4,6-Trichlorophenol	6800	ū
95-95-4	2,4,5-Trichlorophenol	10000	J
	2-Chloronaphthalene	6800	ប្រ
	2-Nitroaniline	16000	ט
	Dimethyl Phthalate	6800	U
208-96-8	Acenaphthylene	6800	U
606-20-2	2,6-Dinitrotoluene	6800	บ
99-09-2	3-Nitroaniline	16000	ן ט
	Acenaphthene	6800	U

Lab Name: WEYERHAEUSER Contract: 8270 2CENTER

Là Code: WEYER Case No.: 09787

Lab Sample ID: 96849

Matrix: (soil/water) SOIL

(uL)

SAS No.:

Sample wt/vol:

30.7 (g/mL) G

Lab File ID:

BN1030E

SDG No.: 96848

Level:

(low/med) LOW

Date Received:

09/23/92

% Moisture:

decanted: (Y/N) N 5

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000

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

51-28-52,4-Dinitrophenol	16000	U
100-02-74-Nitrophenol	16000	υ
132-64-9Dibenzofuran	6800	U
121-14-22,4-Dinitrotoluene	6800	υ
84-66-2Diethylphthalate	6800	υ
7005-72-34-Chlorophenyl-phenylether	6800	υ
86-73-7Fluorene	6800	ĺυ
100-01-64-Nitroaniline	16000	Ū
534-52-14,6-Dinitro-2-Methylphenol	16000	Ū
86-30-6N-Nitrosodiphenylamine (1)	6800	Ū
101-55-34-Bromophenyl-phenylether	6800	Ü
118-74-1Hexachlorobenzene	6800	Ŭ
37-86-5Pentachlorophenol	1200000	E
35-01-8Phenanthrene	6800	Ū
120-12-7Anthracene	6800	ĺΰ
36-74-8Carbazole	6800	ĺΰ
34-74-2Di-n-Butylphthalate	6800	·   Ŭ
206-44-0Fluoranthene	6800	ĺΰ
129-00-0Pyrene	6800	ĺΰ
35-68-7Butylbenzylphthalate	6800	ϋ
91-94-13,3'-Dichlorobenzidine	6800	Ū
66-55-3Benzo(a)Anthracene	6800	ϋ
218-01-9Chrysene	6800	ϋ
17-81-7bis(2-Ethylhexyl)phthalate	6800	บั
117-84-0Di-n-Octyl Phthalate	6800	Ιΰ
205-99-2Benzo(b)Fluoranthene	6800	Ιŭ
207-08-9Benzo(k)Fluoranthene	6800	Ü
50-32-8Benzo(a) Pyrene	6800	ΰ
.93-39-5Indeno(1,2,3-cd)Pyrene	6800	۱ŭ
3-70-3Dibenz(a,h)Anthracene	6800	ΰ
91-24-2Benzo(g,h,i)Perylene	6800	ΰ
201120/3/11/1/2011	0000	١٠

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 8270 ab Name: WEYERHAEUSER

2CENTER

ab Code: WEYER

Case No.: 09787 SAS No.:

SDG No.: 96848

atrix: (soil/water) SOIL

Lab Sample ID: 96849

Date Extracted: 09/24/92

30.7 (g/mL) G

Lab File ID:

BN1030E

ample wt/vol:

Date Received: 09/23/92

evel:

(low/med) LOW

oncentrated Extract Volume: 10000

Moisture:

5

decanted: (Y/N) N

Date Analyzed: 10/30/92

njection Volume:

2.0(uL)

Dilution Factor:

PC Cleanup: (Y/N) Y

umber TICs found:

pH:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q ======
1. 123-42-2 2. 4901-51-3 3. 10463-10-2 4. 646-13-9 5. 6. 7.	2-PENTANONE, 4-HYDROXY-4-MET PHENOL, 2,3,4,5-TETRACHLORO-BENZENE, PENTACHLOROETHOXY-OCTADECANOIC ACID, 2-METHYLP UNKNOWN UNKNOWN UNKNOWN UNKNOWN UNKNOWN	19.50 22.89	11000 86000 1900 1100 4900 4700 2900 3400	BJNA JNA JN JN J J J

(uL)

1 B

EPA SAMPLE NO.

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

2CENTERDL

Lah Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787

SAS No.:

(uL)

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96849DL

Sample wt/vol:

Lab File ID:

BN1030H

30.7 (q/mL) G

Level:

(low/med) LOW Date Received:

09/23/92

% Moisture:

5

decanted: (Y/N) N

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000

Date Analyzed:

10/30/92

Injection Volume:

2.0 (uL)

Dilution Factor:

600

GPC Cleanup:

(Y/N) Y

pH:

CONCENTRATION UNITS:

Q

CAS NO.

COMPOUND

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

U 108-95-2----Phenol 200000 111-44-4----bis(2-Chloroethyl)Ether U 200000 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 Ü 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 U 200000 67-72-1-----Hexachloroethane U 200000 98-95-3-----Nitrobenzene 200000 U 78-59-1-----Isophorone U 200000 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 U 200000 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 U 200000 88-74-4----2-Nitroaniline U 490000 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

2CENTERDL

U

200000

Contract: 8270 ab Name: WEYERHAEUSER

SDG No.: 96848 Case No.: 09787 SAS No.: ab Code: WEYER

Lab Sample ID: 96849DL Matrix: (soil/water) SOIL

Lab File ID: BN1030H 30.7 (q/mL) G ample wt/vol:

Date Received: 09/23/92 (low/med) LOW evel:

Date Extracted: 09/24/92 decanted: (Y/N) N 5 : Moisture:

Date Analyzed: 10/30/92 oncentrated Extract Volume: 10000 (uL)

Dilution Factor: 600

pH:

2.0(uL) injection Volume:

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

U 51-28-5----2,4-Dinitrophenol\_\_\_\_ 490000 U 490000 100-02-7----4-Nitrophenol\_\_\_\_\_ U 200000 132-64-9-----Dibenzofuran 200000 U 121-14-2----2,4-Dinitrotoluene\_ 200000 U 84-66-2-----Diethylphthalate\_ U 7005-72-3----4-Chlorophenyl-phenylether 200000

86-73-7----Fluorene 490000 U 100-01-6----4-Nitroaniline 490000 U 534-52-1----4,6-Dinitro-2-Methylphenol U 86-30-6----N-Nitrosodiphenylamine (1) 200000 U 101-55-3----4-Bromophenyl-phenylether 200000 U 200000 118-74-1-----Hexachlorobenzene\_ D 560000 87-86-5----Pentachlorophenol

U 200000 85-01-8-----Phenanthrene 200000 U 120-12-7-----Anthracene\_\_ U 86-74-8-----Carbazole 200000 200000 U 84-74-2----Di-n-Butylphthalate\_\_\_\_ U 200000 206-44-0----Fluoranthene

U 200000 129-00-0----Pyrene 85-68-7-----Butylbenzylphthalate\_ 200000 U 200000 U 91-94-1----3,3'-Dichlorobenzidine\_\_\_\_ 200000 U 56-55-3----Benzo(a)Anthracene\_\_

200000 U 218-01-9-----Chrysene 117-81-7-----bis(2-Ethylhexyl)phthalate\_ 200000 U 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\_\_

U 200000 50-32-8----Benzo(a) Pyrene 193-39-5----Indeno(1,2,3-cd)Pyrene 200000 U U 200000 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_ U 200000

(1) - Cannot be separated from Diphenylamine

191-24-2----Benzo(g,h,i)Perylene\_\_\_

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

2CENTERDL

Lab Name: WEYERHAEUSER

Contract: 8270

Lau 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

Concentrated Extract Volume: 10000

Date Received:

09/23/92

% Moisture:

Date Extracted: 09/24/92

5

decanted: (Y/N) N

Date Analyzed:

10/30/92

Injection Volume:

2.0(uL)

Dilution Factor:

600

GPC Cleanup: (Y/N) Y

pH:

(uL)

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

GPC Cleanup:

(Y/N) Y

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

pH:

ton volume: 2.0(a2)

CONCENTRATION UNITS:

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

390 U 108-95-2----Phenol 111-44-4----bis(2-Chloroethyl)Ether 390 U U 390 95-57-8----2-Chlorophenol 390 U 541-73-1----1,3-Dichlorobenzene\_ 390 U 106-46-7-----1,4-Dichlorobenzene\_ U 390 95-50-1----1,2-Dichlorobenzene\_ U 95-48-7----2-Methylphenol 390 108-60-1----2,2-oxybis(1-Chloropropane) U 390 U 106-44-5----4-Methylphenol 390 U 621-64-7----N-Nitroso-Di-n-Propylamine 390 390 U 67-72-1----Hexachloroethane U 390 98-95-3-----Nitrobenzene U 390 78-59-1-----Isophorone 390 U 88-75-5----2-Nitrophenol 390 U 105-67-9----2,4-Dimethylphenol U 390 111-91-1----bis(2-Chloroethoxy)Methane\_ U 390 120-83-2----2,4-Dichlorophenol U 390 120-82-1----1,2,4-Trichlorobenzene\_ 390 U 91-20-3----Naphthalene U 390 106-47-8-----4-Chloroaniline U 390 87-68-3-----Hexachlorobutadiene U 390 59-50-7----4-Chloro-3-Methylphenol 390 U 91-57-6----2-Methylnaphthalene U 390 77-47-4-----Hexachlorocyclopentadiene\_ U 390 88-06-2----2,4,6-Trichlorophenol 950 U 95-95-4----2,4,5-Trichlorophenol\_ U 390 91-58-7----2-Chloronaphthalene\_ U 950 88-74-4----2-Nitroaniline 390 U 131-11-3----Dimethyl Phthalate 390 U 208-96-8-----Acenaphthylene U 390 606-20-2----2,6-Dinitrotoluene\_ 950 U 99-09-2-----3-Nitroaniline\_ U 390 83-32-9----Acenaphthene

FORM I SV-1

Lab Name: WEYERHAEUSER Contract: 8270

Case No.: 09787

3-7

BN1030K

SAS No.:

SDG No.: 9,6848

Matrix: (soil/water) SOIL Lab Sample ID: 96850

Sample wt/vol: 30.8 (q/mL) G Lab File ID:

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:

Code: WEYER

CONCENTRATION UNITS: CAS NO.

COMPOUND (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 IJ 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 U 390 120-12-7-----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 U 390 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 IJ 390 207-08-9----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 U 390 191-24-2----Benzo(g,h,i)Perylene 390 U (1) - Cannot be separated from Diphenylamine

#### **1F**

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

3-7

EPA SAMPLE NO.

ab Name: WEYERHAEUSER

Contract: 8270

ab Code: WEYER

Case No.: 09787 SAS No.:

SDG No.: 96848

96850

atrix: (soil/water) SOIL

(uL)

ample wt/vol: 30.8 (g/mL) G

Lab File ID:

Lab Sample ID:

BN1030K

evel: (low/med) LOW

Date Received: 09/23/92

18

decanted: (Y/N) N

Date Extracted: 09/24/92

Moisture:

oncentrated Extract Volume: 10000

Date Analyzed: 10/31/92

njection Volume:

2.0(uL)

Dilution Factor:

1.0

PC Cleanup:

(Y/N) Y

:Hq

umber TICs found: 21 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
CAS NUMBER  1. 123-42-2 2. 3. 4901-51-3 4. 143-07-7 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 481-21-0 16. 17. 18.	COMPOUND NAME  2-PENTANONE, 4-HYDROXY-4-MET UNKNOWN PHENOL, 2,3,4,5-TETRACHLORO- DODECANOIC ACID UNKNOWN C150 D10-ACENAPHTHENE UNKNOWN	5.53 12.09 19.42 19.99 28.12 33.17 33.49 33.94 34.02 34.09 34.42 34.72 34.81 35.09 35.17 35.22 35.77	6100 89 68 3100 1800 110 83 86 100 94 120 210 97 91 90 62 76 74	BJNA JN JN J J J J J J J J J J J
		l.		

TB

EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Contract: 8270

Lab Name: WEYERHAEUSER Contract: 8270

La 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

108-95-2Phenol	360	U
111-44-4bis(2-Chloroethyl)Ether	360	[ប
95-57-82-Chlorophenol	360	ប
541-73-11,3-Dichlorobenzene	360	υ
106-46-71,4-Dichlorobenzene	360	lυ
95-50-11,2-Dichlorobenzene	360	ប
95-48-72-Methylphenol	360	ប
108-60-12,2-oxybis(1-Chloropropane)	360	שו
106-44-54-Methylphenol	360	ប
521-64-7N-Nitroso-Di-n-Propylamine	360	U
57-72-1Hexachloroethane	360	U
98-95-3Nitrobenzene	360	U
78-59-1Isophorone	360	ប
38-75-52-Nitrophenol	360	ט
105-67-92,4-Dimethylphenol	360	บ
111-91-1bis(2-Chloroethoxy)Methane	360	บ
120-83-22,4-Dichlorophenol	360	ប
120-82-11,2,4-Trichlorobenzene	360	ַ ט
91-20-3Naphthalene	360	שו
L06-47-84-Chloroaniline	360	ប
37-68-3Hexachlorobutadiene	360	שו
59-50-74-Chloro-3-Methylphenol	360	ប
91-57-62-Methylnaphthalene	360	U
77-47-4Hexachlorocyclopentadiene	360	U
38-06-22,4,6-Trichlorophenol	360	U
5-95-42,4,5-Trichlorophenol	870	Ū
91-58-72-Chloronaphthalene	360	Ū
38-74-42-Nitroaniline	870	Ū
131-11-3Dimethyl Phthalate	360	Ū
208-96-8Acenaphthylene	360	Ū
506-20-22,6-Dinitrotoluene	360	Ū
99-09-23-Nitroaniline	870	Ü
33-32-9Acenaphthene	360	Ü

FORM I SV-1

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:

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

			1
51-28-5	2,4-Dinitrophenol	870	ט
100-02-7	4-Nitrophenol	870	ט
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	ט
84-66-2	Diethylphthalate	360	ט
7005-72-3	4-Chlorophenyl-phenylether	360	שׁ
86-73-7	Fluorene	360	ט
100-01-6	4-Nitroaniline	870	ט
534-52-1	4,6-Dinitro-2-Methylphenol	870	U
86-30-6	N-Nitrosodiphenylamine (1)	360	ט
101-55-3	4-Bromophenyl-phenylether	360	U
119-74-1	Hexachlorobenzene	360	ט
87-86-5	Pentachlorophenol	310	J
	Phenanthrene	260	J
	Anthracene	53	J
26-74-9	Carbazole	360	U
04-74-0	Di-n-Butylphthalate	360	ט
	Fluoranthene	670	
129-00-0		730	
129-00-0	Butylbenzylphthalate	360	ט
01 04 1	3,3'-Dichlorobenzidine	360	ไบ
91-94-1	Benzo(a) Anthracene	300	J
	Chrysene	310	J
218-01-9	bis(2-Ethylhexyl)phthalate	360	Ü
117-81-7	Di - Octul Dhthalato	360	Ü
117-84-0	Di-n-Octyl Phthalate	320	J
205-99-2	Benzo(b) Fluoranthene	150	J
	Benzo(k) Fluoranthene	200	J
50-32-8	Benzo(a) Pyrene	170	J
193-39-5	Indeno(1,2,3-cd)Pyrene	360	บ
53-70-3	Dibenz(a,h)Anthracene	360	Ü
191-24-2	Benzo(g,h,i)Perylene	300	١٠

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

4-8

Lab Name: WEYERHAEUSER

Contract: 8270

A Code: WEYER Case No.: 09787

SAS No.:

SDG No.: 96848

96851

Matrix: (soil/water) SOIL

Lab Sample ID:

Sample wt/vol:

30.3 (q/mL) G

decanted: (Y/N) N

Lab File ID:

BN1101B

Level:

(low/med) LOW

9

Date Received:

09/23/92

% Moisture:

Date Extracted: 09/24/92

Concentrated Extract Volume: 10000

Date Analyzed:

11/01/92

Injection Volume:

2.0(uL)

Dilution Factor:

GPC Cleanup: (Y/N) Y

pH:

CONCENTRATION UNITS: Number TICs found: 21 (ug/L or ug/Kg) UG/KG

(uL)

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	Ĵ
20.	UNKNOWN	37.02	490	Ĵ
21.	UNKNOWN	37.86	280	J

Contract: 8270 ab Name: WEYERHAEUSER

ab Code: WEYER

Case No.: 09787

5-9CONVEY

SDG No.: 96848

Lab Sample ID: 96852 Matrix: (soil/water) SOIL

Lab File ID: BN1101A 30.5 (g/mL) G sample wt/vol:

Date Received: 09/23/92 .evel: (low/med) LOW

SAS No.:

Date Extracted: 09/24/92 10 decanted: (Y/N) N ; Moisture:

Date Analyzed: 11/01/92 Concentrated Extract Volume: 500.0 (uL)

Dilution Factor: 1.0 Injection Volume: 2.0(uL)

PC Cleanup: (Y/N) Y pH: CONCENTRATION UNITS:

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

CAS NO.	COMPOUND	-5/ -15/ -0/ -15	~
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	3.60	U
106-46-7	1.4-Dichlorobenzene	360	U
95-50-1	1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol	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	ן ט
67-72-1	Hexachloroethane	360	ן ט
	Nitrobenzene	360	ן ט
	Isophorone	360	ן ט
70 33 I 22-75-5	2-Nitrophenol	360	υ
105-67-9	2,4-Dimethylphenol	360	υ
111-01-1	bis(2-Chloroethoxy) Methane	360	U
111-91-1	2,4-Dichlorophenol	360	U
120-03-2	1,2,4-Trichlorobenzene	360	U
01-20-3	Naphthalene	360	U
106-47-9	4-Chloroaniline	360	U
	Hexachlorobutadiene	360	U
57-66-3 50-50-7	4-Chloro-3-Methylphenol	360	U
01-57-6	2-Methylnaphthalene	360	Ü
91-57-6 77-47-4	Hexachlorocyclopentadiene	360	<del> </del>
//-4/-4	2,4,6-Trichlorophenol	360	l <del>u</del> l
06-06-2	2,4,5-Trichlorophenol	870	<del> </del>
95-95-4	2-Chloronaphthalene	360	l <del>u</del>
91-58-/	2-Chioronaphthalene	870	ΙŬ
88-/4-4	Pinethyl Dhthalato	360	ا ت
	Dimethyl Phthalate	360	lΰ
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	870	lü l
	3-Nitroaniline	360	Ü
83-32-9	Acenaphthene	300	
	FORM I SV-1		-' <del>3</del> /90

Lab Name: WEYERHAEUSER Contract: 8270 5-9CONVEY

Case No.: 09787

SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

96852

Sample wt/vol:

Là. Code: WEYER

30.5 (q/mL) G

Lab File ID:

BN1101A

Level:

(low/med) LOW

Concentrated Extract Volume: 500.0

Date Received:

Lab Sample ID:

09/23/92

% Moisture:

Date Extracted: 09/24/92

10 decanted: (Y/N) N

(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

53-70-3-----Dibenz(a,h)Anthracene

(1) - Cannot be separated from Diphenylamine

191-24-2----Benzo(g,h,i)Perylene

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 U 870 86-30-6----N-Nitrosodiphenylamine (1) 360 IJ 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----3,37-Dichlorobenzidine\_ 360 U 56-55-3----Benzo(a) Anthracene 520 218-01-9-----Chrysene 600 117-81-7----bis(2-Ethylhexyl)phthalate J 330 117-84-0-----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

FORM I SV-2

3/90

360

360

U

U

#### 1F SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: WEYERHAEUSER

Contract: 8270

5-9CONVEY

Lab Code: WEYER

Case No.: 09787 SAS No.:

SDG No.: 96848

Matrix: (soil/water) SOIL

Lab Sample ID: 96852

Lab File ID:

BN1101A

Sample wt/vol: 30.5 (g/mL) G

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

Date Analyzed:

11/01/92

Injection Volume:

Number TICs found:

2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y

21

pH:

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

2. 123-42-2 2-PENTANONE, 4-HYDROXY-4-MET 100 100 100 100 100 100 100 100 100 10	5.37 5.53	6300	JN
7. 8. 9. 97-78-9 10. 11. 12. 13. 14. 15. 16. 17. 29812-79-1 18. 243-42-5 19. 20. 243-17-4 UNKNOWN	0.34 0.82 4.12 6.27 9.37	6000 2400 3900 11000 3300 4500 880 840 5200 2500 5600 2500 730 910 1100 2900 410 590 390 610	BJNA J J J J J J J J J J J J J J J J J J

(uL)

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKS1

Lab Name: WEYERHAEUSER

Contract: 8270

Jode: WEYER

Case No.: 09787

SAS No.:

(uL)

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

330

Concentrated Extract Volume: 500.0

Date Analyzed: 10/30/92

Injection Volume:

CAS NO.

2.0(uL)

COMPOUND

Dilution Factor:

1.0

GPC Cleanup:

(Y/N) Y

pH:

108-95-2Phenol	
111-44-4bis(2-Chloroethyl)Ether	
95-57-82-Chlorophenol	
541-73-11,3-Dichlorobenzene	

106-46-7----1,4-Dichlorobenzene 95-50-1----1,2-Dichlorobenzene 95-48-7----2-Methylphenol

108-60-1----2, 2-oxybis(1-Chloropro 106-44-5----4-Methylphenol 621-64-7----N-Nitroso-Di-n-Propyla

67-72-1-----Hexachloroethane 98-95-3----Nitrobenzene 78-59-1-----Isophorone

88-75-5----2-Nitrophenol 105-67-9----2,4-Dimethylphenol 111-91-1----bis(2-Chloroethoxy) Met

120-83-2----2,4-Dichlorophenol\_ 120-82-1----1,2,4-Trichlorobenzene

91-20-3-----Naphthalene 106-47-8-----4-Chloroaniline 87-68-3-----Hexachlorobutadiene

59-50-7----4-Chloro-3-Methylpheno 91-57-6----2-Methylnaphthalene 77-47-4-----Hexachlorocyclopentadi

88-06-2----2,4,6-Trichlorophenol 95-95-4----2,4,5-Trichlorophenol 91-58-7----2-Chloronaphthalene

88-74-4----2-Nitroaniline 131-11-3-----Dimethyl Phthalate

208-96-8-----Acenaphthylene 606-20-2----2,6-Dinitrotoluene 99-09-2----3-Nitroaniline

83-32-9-----Acenaphthene

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

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SBLKS1

Contract: 8270 Lab Name: WEYERHAEUSER

SDG No.: 96848 Lab Code: WEYER Case No.: 09787 SAS No.:

Lab Sample ID: SBLKS1 Matrix: (soil/water) SOIL

Lab File ID: sample wt/vol: 30.0 (g/mL) GBN1030F

Date Received: Level: (low/med) LOW

Date Extracted: 09/24/92 decanted: (Y/N) N & Moisture:

Date Analyzed: 10/30/92 Concentrated Extract Volume: 500.0 (uL)

Dilution Factor: Injection Volume: 2.0(uL)

pH:

3PC Cleanup: (Y/N)YCONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

51-28-5----2,4-Dinitrophenol 800 U U 100-02-7-----4-Nitrophenol\_ 800 132-64-9-----Dibenzofuran 330 U 121-14-2----2,4-Dinitrotoluene 330 U U 84-66-2----Diethylphthalate 330 7005-72-3----4-Chlorophenyl-phenylether 330 U 330 U 86-73-7----Fluorene 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 330 U 101-55-3----4-Bromophenyl-phenylether 118-74-1-----Hexachlorobenzene 330 U U 87-86-5----Pentachlorophenol 800 U 330 85-01-8-----Phenanthrene U 330 120-12-7-----Anthracene U 86-74-8-----Carbazole 330 84-74-2-----Di-n-Butylphthalate U 330 U 206-44-0----Fluoranthene 330 U 330 129-00-0-----Pyrene 85-68-7----Butylbenzylphthalate U 330 U 91-94-1----3,3'-Dichlorobenzidine 330 U 330 56-55-3----Benzo(a)Anthracene 330 U 218-01-9-----Chrysene 117-81-7-----bis(2-Ethylhexyl)phthalate 330 U Ü 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 53-70-3----Dibenz(a,h)Anthracene\_\_\_\_ 330 U 191-24-2----Benzo(q,h,i) Perylene 330 U

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Contract: 8270

SBLKS1

Code: WEYER

Lab Name: WEYERHAEUSER

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

Date Analyzed:

10/30/92

Injection Volume:

2.0(uL)

Dilution Factor:

GPC Cleanup:

(Y/N) Y

5

pH:

Number TICs found:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 2. 123-42-2 3. 1186-53-4 4. 334-48-5 5. 57-10-3	UNKNOWN 2-PENTANONE, 4-HYDROXY-4-MET PENTANE, 2,2,3,4-TETRAMETHYL DECANOIC ACID HEXADECANOIC ACID		95 7600 150 2800 70	J JNA JN JN JN

(uL)

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	ט
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	1,4-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
	Nitrobenzene	360	U
	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol bis(2-Chloroethoxy)Methane	360	U
111-91-1	bis(2-Chloroethoxy)Methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	2,4-Dichlorophenol	360	ប
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	ប
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	บ
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	880	U
	Acenaphthene	<u> </u>	ן ט

Lab Name: WEYERHAEUSER Contract: 8270 5-9CONVEYMS

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)

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:

CAS NO.

2.0(uL)

COMPOUND

Dilution Factor:

1.0

GPC Cleanup: (Y/N) Y pH:

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

		(ug/L Of	ug/kg)	OG/ KG	Q
51-28-5	2,4-Dinitrophenol			880	U
100-02-7	4-Nitrophenol		-[	880	ŭ
132-64-9	Dibenzofuran		~	360	Ιŭ
121-14-2	2.4-Dinitrotoluene		-	360	บั
84-66-2	Diethvlphthalate ¯		-	360	Ü
7005-72-3	4-Chlorophenyl-phen	vlether	-	360	ϋ
86-73-7	Fluorene		-	86	J
100-01-6	4-Nitroaniline		-	880	U
534-52-1	4.6-Dinitro-2-Methy	lphenol	-	880	υ
86-30-6	N-Nitrosodinhenvlam	ino (1)	-	360	Ϊ́υ
101-55-3	4-Bromophenvl-phenv	lether	-	360	Ιŭ
118-74-1	Hexachlorobenzene		-1	360	Ü
87-86-5 <b></b>	Pentachlorophenol		<b>-</b> [	880	ϋ
85-01-8	Phenanthrene		-	500	١٥
120-12-7	Anthracene		•	800	}
86-74-8	Carbazole	·······	- [	410	
84-74-2	Di-n-Butylphthalate		-	48	J
206-44-0	Fluoranthene		- [	2100	٦
129-00-0	Pvrene		•	360	U
85-68-7	Butylbenzylphthalat	<u> </u>	·	37	J
91-94-1	3.3'-Dichlorobenzid	ine	•	360	Ü
56-55-3	Benzo(a) Anthracene_		•	750	١٠
218-01-9	Chrysene		· [	1000	
117-81-7	bis(2-Ethylhexyl)ph	thalate	·	480	İ
117-84-0	Di-n-Octvl Phthalata	<u> </u>	•	360	lσ
205-99-2	Benzo(b) Fluoranthen	~ <u></u>	•	600	10
207-08-9	Benzo(k) Fluoranthen	<u> </u>	· <b>†</b>	290	<sub>+</sub>
50-32-8	Benzo(a)Pyrene		1	290 280	J
L93-39-5	Indeno(1,2,3-cd)Pyro	ene	•	260 360	n D
53-70-3	Dibenz(a,h)Anthrace	<u>-</u>			լը
191-24-2	Benzo(g,h,i)Perylen			360	1 -
	20.120 (9,11,1)1 GIYIEIR	- <del></del>		360	U
- Cannot be	separated from Dipheny	lamine	l		1

GPC Cleanup: (Y/N) Y

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: WEYERHAEUSER Contract: 8270

5-9CONVEYMSD

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

pH:

CONCENTRATION UNITS:

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

CAS NO.	COMPOUND (	ug/H OF ug/kg/		
108-95-2	Phenol		370	ט
111-44-4	bis(2-Chloroethyl)Eth	er	370	U
95-57-9	2-Chlorophenol		370	ĮŪ
541-73-1	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 2-Methylphenol		370	ט
106-46-7	1,4-Dichlorobenzene		370	ט
95-50-1	1,2-Dichlorobenzene		370	ן ט
95-48-7	2-Methylphenol		370	U
108-60-1	2,2-oxybis(1-Chloropr	opane)	370	U
106-44-5	2,2-oxybis(1-Chloropri4-Methylphenol		370	U
621-64-7	N-Nitroso-Di-n-PropyL	amıne	370	U
67-72-1	Hexachloroethane		370	U
98-95-3	Nitrobenzene		370	U
78-59-1	Isophorone		370	ט
88-75-5	2-Nitrophenol		370	U
105-67-9	2,4-Dimethylphenol bis(2-Chloroethoxy)Me		370	U
111-91-1	bis(2-Chloroethoxy)Me	thane	370	Ū
120-83-2	2,4-Dichlorophenol		370	U
120-82-1	1,2,4-Trichlorobenzen	e	370	U
91-20-3	Naphthalene	-	370	U
106-47-8	4-Chloroaniline		370	U
	Hexachlorobutadiene		370	U
59-50-7	4-Chloro-3-Methylphen	ol	370	U
91-57-6	2-Methylnaphthalene		370	U
77-47-4	Hexachlorocyclopentad	iene	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	ប
208-96-8	Acenaphthylene	*	370	ט
606-20-2	2,6-Dinitrotoluene		370	υ
99-09-2	3-Nitroaniline		890	ט
83-32-9	Acenaphthene		370	υ

Lab Name: WEYERHAEUSER Contract: 8270 5-9CONVEYMSD

La

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)

CAS NO.

COMPOUND

Dilution Factor:

GPC Cleanup: (Y/N) Y

pH:

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

Q

	· · · · · · · · · · · · · · · · · · ·	
51-28-52,4-Dinitrophenol	890	U
100-02-74-Nitrophenol	890	Ü
132-64-9Dibenzofuran	370	Ū
121-14-22,4-Dinitrotoluene	370	Ιΰ
84-66-2Diethylphthalate	370	ű
7005-72-34-Chlorophenyl-phenylether	370	Ü
86-73-7Fluorene	79	Ĵΰ
100-01-64-Nitroaniline	890	Ü
534-52-14,6-Dinitro-2-Methylphenol	890	ľŭ
86-30-6N-Nitrosodiphenylamine (1)	370	ប
101-55-34-Bromophenvl-phenvlether	370	បី
118-74-1Hexachlorobenzene	370	Ü
87-86-5Pentachlorophenol	890	Ū
85-01-8Phenanthrene	300	J
120-12-7Anthracene	520	١
86-74-8Carbazole	300	J
84-74-2Di-n-Butylphthalate	370	บั
206-44-0Fluoranthene	910	1
129-00-0Pyrene	370	U
85-68-7Butylbenzylphthalate	370	บั
91-94-13.3'-Dichlorobenzidine	370	บั
56-55-3Benzo(a) Anthracene	830	
218-01-9Chrysene	890	
117-81-7bis(2-Ethylhexyl)phthalate	460	
117-84-0Di-n-Octvl Phthalate	370	ן ח
205-99-2Benzo(b) Fluoranthene	550	
207-08-9Benzo(k) Fluoranthene	260	J
50-32-8Benzo(a) Pyrene	280	J
193-39-5Indeno(1,2,3-cd)Pyrene	370	Ü
53-70-3Dibenz(a,h)Anthracene	370	บั
191-24-2Benzo(g,h,i)Perylene	370	บ
	•	-
.) - Cannot be separated from Diphenylamine		I <del></del>

# SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: WEYERHAEUSER

Contract: 8270

Lab Code: WEYER

Case No.: 09787 SAS No.:

SDG No.: 96848

Level: (low/med) LOW

01 02 03 04 05 06 07 08 09	EPA SAMPLE NO.  1-NPERIPH 1-NPERIPHDL 2CENTER 2CENTERDL 3-7 4-8 5-9CONVEY 5-9CONVEYMS 5-9CONVEYMS	S2 (FBP) # 95 0 D 107 0 D 82 78 90 93 83	S3 (TPH) # ====================================	S4 (PHL) # ====================================	S5 (2FP) # ====================================	S6 (TBP)# 51 0 D 53 0 D 56 66 87 107 81	S7 (2CP) # 72 0 D 75 0 D 70 51 83 66 82 85	S8 (DCB) # 79 0 D 82 0 D 71 42 79 62 75 87	0 0 0 0 0
		83 97	83 109	79 <b>95</b>	66 72	81 72	82 85	75 87	0

				QC LIMITS	
Sl	(NBZ)		Nitrobenzene-d5	( 23-120)	
S2	(FBP)	=	2-Fluorobiphenyl	( 30-115)	
S3	(TPH)		Terphenyl-d14	( 18-137)	
S4	(PHL)		Phenol-d5	( 24-113)	
S5			2-Fluorophenol	( 25-121)	
S6	(TBP)	_	2,4,6-Tribromophenol	( 19-122)	
	(2CP)	_	2-Chlorophenol-d4	( 20-130)	(advisory)
S7		Ξ	1,2-Dichlorobenzene-d4	( 20-130)	(advisory)
S8	(DCB)	_	T'S-DICHTOTOPCHECKS A.	( )	

<sup>#</sup> 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

Macrix Spike - EPA Sample No.: 5-9CONVEY Level: (low/med) LOW

COMPOUND	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC #	REC.
Phenol 2-Chlorophenol 1,4-Dichlorobenzene N-Nitroso-di-n-prop.(1) 1,2,4-Trichlorobenzene 4-Chloro-3-methylphenol Acenaphthene 4-Nitrophenol 2,4-Dinitrotoluene Pentachlorophenol Pyrene	2740 2740 1830 1830 1830 2740 1830 2740 1830 2740 1830	0 0 0 0 0 0 0 0 0 0 1808 2034	1470 1744 1111 968.7 1243 2029 1784 1250 1956 3462 3802	54 64 61 53 68 74 97 46 107 *	26- 90 25-102 28-104 41-126 38-107 26-103 31-137 11-114 28- 89 17-109 35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC L RPD	IMITS REC.
enol	2770 2770 1840 1840 2770 1840 2770 1840 2770 1840	1715 2088 1324 1225 1516 2114 1509 833.7 1627 1494	62 75 72 67 82 76 82 30 88 -11 *	14 16 17 23 19 3 17 42 19 290 *	35 50 27 38 23 33 19 50 47 47 36	26- 90 25-102 28-104 41-126 38-107 26-103 31-137 11-114 28- 89 17-109 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

Page: 1 of 1 Date: 09/27/94

> Borehole Completion Summary Aberdeen Sawmill

Table A-1

Aberdeen Sawmill

SITE	SURVEY	SURVEY COORDINATES	2	BORE DEPTH TOTAL feet bgs	DATE DRILL	DRIELING METHOD	<b>J</b> D		DRILLER	_	CONSULTANT	ī
D-01	817029	615028 615049	14.40	14.0 0	05/24/90 Hollo	/90 Hollow Stem Auger	ger ger		McDonald Holt Inc. McDonald Hoft Inc.		DOF, Inc. BOF, Inc.	
	1162 0004		13.48 9.0 05/24 14.67 14.0 05/25	9.0 0	05/24/90 Hollow Stem Auger 05/25/90 Hollow Stem Auger	/90 Hollow Stem Auger /90 Hollow Stem Auger	iger ger		McDonald Holt Inc. McDonald Holt Inc.		DOF, Inc. DOF, Inc.	
1.	816958	615100	14.46	97 - 93	05/25/90 Hollow Stem Auger	w Stem Au	iger	- :	McDonald Holt Inc.		DOF, Inc.	
D-06 D-07	816896 816840	615215 615065	13.85 15.20	989	08/30/90 Hollow Stem Auger	iau nollow Stem Auger /90 Hollow Stem Auger	iger iger	~~	McDonald Holt Inc.		DOF, Inc.	
80-0 0-09	816969 615045 817047 615175	\$P	14.19 14.98	O 0.6	9:0 08/30/90 Hollow Stem Åuger 9:0 08/30/90 Hollow Stem Åuger	ow Stem Au ow Stem Àu	iger ger		McDonald Holt Inc. McDonald Holt Inc.		DOF, Inc. DOF, Inc.	
546 -446 2506												
		*										
												,

TABLE A-2

Well Completion Summary Aberdeen Sawmill

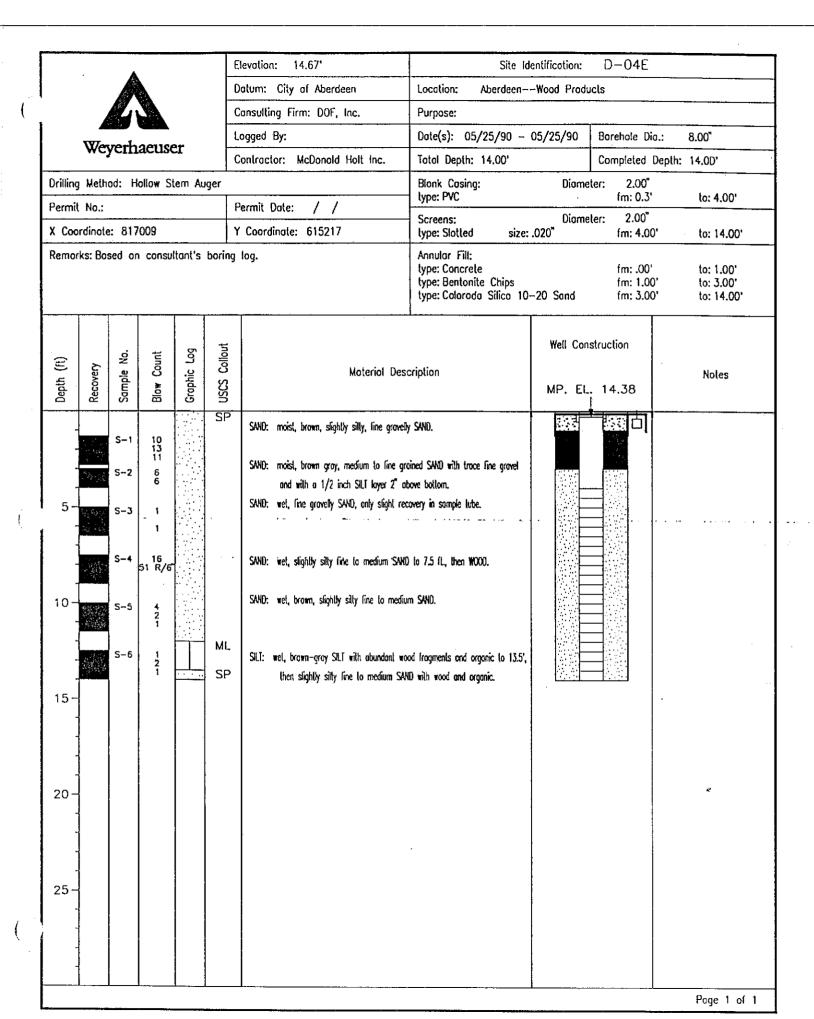
Page: 1 of 1 Date: 09/27/94

					-					
SITE		WELL DEPTH TOTAL	CASING DIAMETER	SCREENED INTERVAL (feet bgs)	FILTER PACK INTERVAL (feet bgs)	FIRST SEAL INTERVA! (feet bgs)	T L //AL gs)	SECOND SEAL INTERVAL (feet bgs)	GROUND SURFACE ELEVATION	MP ELEVATION
		(feet bgs)	(inches)	TOP BOTTOM	TOP BOTTOM	TYPE   INTERVAL		TYPE INTERVAL	(feet)	(feet)
D-01		14.00	2.00	4.00-14.00	3.00-14.00	BE 1.00	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	1,00-3.00		14:20	13.91
D-03		9.00	2.00	4.00-9.00	3.00-9.00		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	1,00-3,00		14,67	14.38
		14.00	2.00		3.00-16.00	-	.00-3.00		14.46	14.29
D-06	1 2 3	00.6		2.00 3.70-8.70	3,00-9,00	BE 1.50	1,50-3,00		13.86	13.71
D-07		9.00	2.00	3.70-8.70	3.00-9.00	-	.50-3.00		15.20	14.97
80-0		00.6	2.00	3.70-8.70	3,00-9,00	BE 1.50	1,50-3,00		14.19	13.94
		9.00	2.00	3.70-8.70	3.00-9.00	BE 1.50	1.50-3.00		14.98	14.75
	900000 000000 000000 000000 000000 000000									
1) Measurements based on City of Aberdeen datum	oased o	n City of A	berdeen datun	U	<b>8</b> ,					

Datum: City of Aberdeen		Elevation: 14.40'	Site Ide	entification:	D-01	
Logged by:   Contractor: McDanald Holt Inc.   Total Depth: 14.00'   Completed Size: 010'   Completed Size: 010'   Completed Size: 010'   Completed Depth: 14.00'   Completed Size: 010'   Comp		Datum: City of Aberdeen	Location: Aberdeen	-Wood Produ	cts	
Weyerhaeuser  Controctor: McDonald Holt Inc.  Total Depth: 14.00'  Completed Depth: 14.00'  Blank Cosing:  Diameter: 2.00'  fm: 0.2'  to: 4.00'  Screens:  Special Size: 010'  Malerial Description  Malerial Description  Malerial Description  McLocolored Chips Inc. 14.00'  Well Construction  Notes  MP. EL. 14.26  Screens:  Scr		Consulting Firm: DOF, Inc.	Purpose:			·· <u>,</u>
Drilling Method: Hollow Stern Auger  Permit Not:  Permit Dote: / /  X Coordinote: 817029 Y Coordinote: 615028 Uper: Brown Sizes Sizes (100 of frm: 0.2) to: 14.00'  Remorks: Bosed on consultant's boring log.  Annuter Filt: type: Concrete type: Bronder To: 1.00' to: 1	Worsels assess	Logged By:	Dote(s): 05/24/90 - t	05/24/90	Borehole Dio.:	8.00"
Permit No.:  Permit Dote: / /  X Coordinate: 817029  Y Coordinate: 615028  Y Coordinate: 615028  Y Coordinate: 615028  Y Coordinate: 615028  Y Coordinate: 615028  Annular Fill:  Y Coordinate: 6150	weyernaeuser	Contractor: McDanald Halt Inc.	Total Depth: 14.00*		Completed Dept	h: 14.00'
X Coordinate: 817029  Y Coordinate: 615028  Ype: Slotted size: 010' fm: 4,00' to: 14,00' lo: 14,00'			Blank Cosing: type: PVC	Diame		to: 4.00°
Remorks: Bosed on consultant's boring log.  Annulor Fill: type: Colorado Silica 10–20 Sond fm: 1.00' to: 3.00' to: 14.00'  Well Construction  Moterial Description  Moterial Description  Motes  Moterial Description  Moterial Description  MP. EL. 14.26  SAND: moist, brown, slightly silty soldy, fine gravelly SAND.  SAND: wet, brown, fine gravelly SAND.  SAND: wet, brown, fine gravelly SAND to 11.5 ft.  SLIT: solurated dark SILT with trace organic at 11.5 ft.  SLIT: wet, dark gray SILT with wood fragments and organic.		<del> </del>				
Section   Sect				.010"	tm: 4.00'	lo: 14.00'
Moles    Solution   Solution   Moles   Material Description   Mp. EL. 14.26   Moles	Remorks: Bosed on consultant's ba	ring lag.	type: Concrete type: Bentonite Chips	-20 Sond	fm: 1,00'	to: 3.00'
S-1 St 1/5 St 1/	Depth (ft) Recovery Sample No. Blow Count Graphic Log	Collont Material Des	cription			Notes
	S-1 51 R/5  S-2 21 17 10  S-3 3 3 2  S-4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GRAVEL: damp, light brown, slightly SP  SAND: moist, brown, slightly silty  SAND: wet, brown, fine gravelly SAND: wet, brown,	to silty, fine gravelly SAND.  AND.  AND to 11.5 ft.  ce arganic ot 11.5 ft.			
						Page 1 of 1

Datum: City of Aberdeen  Consulting Firm: DOF, Inc.  Logged By:  Controctor: McDonald Holt Inc.  Drilling Method: Hollow Stem Auger  Datum: City of Aberdeen  Location: Aberdeen—Wood Products  Purpose:  Date(s): 05/24/90 - 05/24/90 Borehole Dia.: 8.00"  Completed Depth: 14.00'  Blank Casing: Diameter: 2.00"  type: PVC  fm: 0.3' to: 4.00'		Elevation: 14.20'	Site Ide	entification:	D-02	
Consulting Firm: DOF, Inc.   Purpose:   Logged Dyr.   Logged Dyr.   Dote(s): 05/24/90 - 05/24/90   Borehole Dia.: 8.00°			Location: Aberdeen-	-Wood Produc	ls	
Weyerhaeuser  Controctor: McDonold Holl Inc.  Totol Depth: 14.50'  Completed Depth: 14.00'  Blank Cosing: Diameter: 2.00'  fm: 0.3'  Tot 4.00'  Screens: Size: .020'  Mclerial Description  Molerial Description  Molerial Description  Notes  Screens: Size: .020'  Mclerial Description  Notes  Screens: Size: .020'  Mclerial Description  Notes  Screens: Size: .020'  Mclerial Description  Notes  Screens: Size: .020'  Mclerial Description  Notes  Screens: Size: .020'  Mclerial Description  Notes  Screens: Size: .020'  Mclerial Description  Notes  Screens: Size: .020'  Mclerial Description  Notes  Screens: Size: .020'  Mclerial Description  Notes  Screens: Size: .020'  Mclerial Description  Notes  Screens: Size: .020'  Mclerial Description  Notes  Screens: Size: .020'			Purpose:			
Controctor: McDonald Holt Inc.   Total Depth: 14.50'   Completed Depth: 14.00'			<u>'</u>	05/24/90	Borehole Dia.	.: 8.00°
Permit No.:    Permit Date: / /	Weyerhaeuser	Controctor: McDonald Holt Inc.	Total Depth: 14.50'		Completed De	epth; 14.00'
Permit No.:    Permit Dote: / /	Drilling Method: Hollow Stem Auger	I		Diamete		los 4 001
Remarks: Based on consultant's boring leg.  Remarks: Based on consultant's boring leg.  Annular Filt: type: Concrete type: Bentonite Chips type: Colorado Silica 10–20 Sand frm: 1,00' to: 3,00' to: 3,00' to: 14,50' to: 14,50' to: 3,00' to: 3,00' to: 14,50' to: 3	Permit No.:	Permit Date: / /		 Diamete		(0: 4.00
type: Concrete type: Colorado Silico 10–20 Sand fm: 1.00' to: 1.00' to: 3.00' to: 14.50'  Well Construction  Moterial Description  MP. El 13.91  SP SAND: moist, gray, slightly sily, line growelly SAND.  SAND: moist, brown, slightly sily fine growelly SAND, with 1' Silt zone at 1/2 foot from somple end.  SAND: wet, brown fine gravelly SAND, with traces of wood fragments.  SILI: solurated, brown-gray SiLI with wood fragments and organic.	X Coordinate: 817140	Y Coordinate: 615049				to: 14.00'
Molerial Description  MP. EL. 13.91  Notes  SP SND: maist, gray, slightly silty, line gravelly SND.  S-1 27 27 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Remarks: Based on consultant's bor	ing log.	type: Concrete type: Bentonite Chips	-20 Sand	fm: 1.00'	to: 3.00'
SAND: moist, groy, slightly sitly, line gravetly SAND, with 1° Sit zone at 1/2 foot from sample end.  SAND: wet, brown, fine gravetly SAND, with 1° Sit zone at 1/2 foot from sample end.  SAND: wet, brown fine gravetly SAND, with traces of wood (ragments.)  SAND: wet, brown fine gravetly SAND, with traces of wood (ragments.)  SAND: wet, brown fine gravetly SAND to 10.5 ft.  SILI: saturated, brown-gray sitl.  SILI: saturated, brown-gray SiLI with wood (ragments and organic.)	Recovery Sample No. Blow Count Graphic Log	Material Desc	cription	!		Notes
	S-1 27 26 16 5-2 7 2 1	SAND: moist, gray, slightly silty, line grayelly sand:  SAND: moist, brown, slightly silty line or zone at 1/2 foot from sample SAND: wet, brown, fine grayelly SAND.  SAND: wet, brown line grayelly SAND, wet, brown li	gravelly SAND, with 1" Sitt end.  with traces of wood fragments.  ND to 10.5 ft.  ganic to 11 ft, then grading			1

<u> </u>	Elevation: 13,48'	Site Ide	entification:	D-03	
	Datum: City of Aberdeen	Location: Aberdeen-	-Wood Produ	cls	
	Consulting Firm: DOF, Inc.	Purpose:			
Warnelsonson	Logged By:	Date(s): 05/24/90 -	05/24/90	Borehole Dia.:	8.00"
Weyerhaeuser	Contractor: McDonald Holt Inc.	Total Depth: 9.00'		Completed De	pth: <b>9.00</b> °
Drilling Method: Hollow Stem Auger		Blonk Casing: type: PVC	Diame	ter: 2.00" fm: 0.4'	to: 4.00°
Permit No.:	Permit Dote: / /	Screens:	Diame		
X Coordinale: 817177	Y Coordinate: 615007	type: Slotted size:	.010"	fm: 4.00'	to: 9.D0'
Remorks: Based on consultant's bori	ng log.	Annular Fill: type: Grout type: Bentonite Chips type: Colorodo Silica 10-	-20 Sand	fm: ,00° fm: 1.00° fm: 3.00°	to: 1.00' to: 3.00' to: 9.00'
Depth (ft) Recovery Sample No. Blow Count Graphic Log	Material Desc	cription	Well Cons		Notes
S-1 19 16 SF SF SF S-2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	SAND: moist, brown, fine gravelly SAND brown gray SILT with wood frag 'SILT: wet, dark gray-black SILT with w lighter brown-gray at 5.5 ft.	lo 4 ft. Then moist to wet, meths and organic.			•



_	Elevation: 14,46'	Site Ido	entification:	D-05	
	Datum: City of Aberdeen	Locotion: Aberdeen	-Wood Produc	<del></del>	
	Consulting Firm: DOF, Inc.	Purpose:	<del></del>		
Warnelsans	Logged By:	Date(s): 05/25/90 -	05/25/90	Borehale Dia.:	8.00"
Weyerhaeuser	Contractor: McDanald Holt Inc.	Total Depth: 16.00°		Completed Dep	th: 14.00'
Drilling Method: Hollow Stem Auger		Blank Casing: type: PVC	Diomet	er: 2.00" fm: 0.2'	to: 4.00°
Permit No.:	Permit Date: / /	Screens:	Diamet		1.00
X Coordinate: 816958	Y Coordinate: 615100	type: Slotted size:	.020	fm: 4.00'	to: 14.00'
Remarks: Based an consultant's bori	ng log.	Annular Fill: type: Concrete type: Bentonite Chips type: Colorado Silico 10-	-20 Sand	fm: .00' fm: 1.00' fm: 3.00'	to: 1.00' to: 3.00' to: 16.00'
Recovery Sample No. Blow Count Graphic Log	Material Desc	cription	Well Cons MP. EL. ↓		Notes
S-1 21 14 14 S-2 11 7 4 S-3 SF S-3A 50 S-3B 2 2 2 5-4 4 /3 10 S-5 9 /4 S-6 1 2 15 S-7 1 2 1 Miles S-7 1 2 1 S-7 1 2	SAND: moist, brown, slightly silty, line growith an inch of wood at 2'.  SAND: moist, brown, slightly silty, line grown Becoming wet at 4'.  WOOD: wet, WOOD and WOOD CHIPS. No WOOD: wet, WOOD and WOOD CHIPS. No WOOD: wet, WOOD.	welly SAND with wood frogments. soil. soil.			*

			Elevation: 13.86'	Site to	dentification:	D-06	
			Dotum: City of Aberdeen	Location: Aberdeen-	-Wood Produ		
	Z		Consulting Firm: DOF, Inc.	Purpose:			
WZ 1			Logged By:	Date(s): 08/30/90 -	08/30/90	Borehole Dio.:	8.00*
Weyerl	iaeuse	I	Contractor: McDanald Holt Inc.	Total Depth: 9.00'		Completed Dep	th: 9.00'
Drilling Method: 1	iollow Ste	em Auger	·	Blonk Casing; type: PVC	Diame	ter: 2.00" fm: D.2'	to: 3.70°
Permit No.:			Permit Date: / /	Screens:	Diame	ter: 2.00"	
X Coordinate: 810			Y Coordinate: 615215	† · ··· — — — — — — — — — — — — — — — —	.010"	fm: 3.70'	to: 8.70'
Remarks: Based o	n consult	ont's bor	ing log.	Annulor Fill: type: Concrete type: Bentonite Chips type: Coloroda Silico 10	-20 Sand	fm: .00' fm: 1.50' fm: 3.00'	to: 1.50' to: 3.00' to: 9.00'
Depth (ft) Recovery Sample No.	Blow Count	Graphic Log	Moterial Des	ecription	Well Cons		Notes
S-1 S-2 5- 10- 20-	Bag 1-3' Bag 3-9'		P Then slightly sitly, line gravetly SA SAND: wel, slightly sitly, line gravetly SAND.	ND.			

					ļ	Elevation: 15,20'	Site Id	lentification:	D-07		
	Datum: City of Aberdeen						Location: AberdeenWood Products				
Consulting Firm: DOF, Inc.						Consulting Firm: DOF, Inc.	Purpose:		<del></del>		
Weyerhaeuser  Logged By:  Controctor: McDonald Holt Inc.						Logged By:	Date(s): 08/30/90 -	08/30/90	Borehole Di	a.: 8.00"	
						Contractor: McDonald Holt Inc.	Total Depth: 9.00°		Completed	Depth: 9.00'	
Drilling Method: Hollow Stem Auger							Blank Cosing:	Diometer: 2.00"			
Permit No.: Permit Date: / /							type: PVC Screens:	Diome	fm: 0.2' ter: 2.00"	to: 3.70'	
X Coordinate: 816840 Y Coordinate: 615065						Y Coordinate: 615065				)' to: 8.70'	
Remorks: Bosed on consultant's boring log.							Annulor Fill: type: Concrete type: Bentonite Chips type: Colorodo Silica 10	-20 Sond	fm: .00' fm: 1.50 fm: 3.00	)' to: 3.00'	
					==			Well Con:	struction		
$\widehat{\boldsymbol{\Xi}}$	ير.	е В	Sount	c Log	Collout	Moterial Description		Tell Constitution			
Depth (ft)	Recovery	Sample No.	Blow Count	Blow Count Graphic Log	SOSN			MP. EL	14.97	Notes	
				•	GP	SANO: 0'-3': Paving and crushed roo	4.	# 15 EM			
5-		S-1	50 50 /4* - - 3 50 /5*		SP WD	Al 3': moist, brown, slightly s fine gravelly SAND.  WOOD: Contact depth 4 to 7 feet, us Wood, with wet, slightly silty,	ncertoin.	22.5		"	
15-											
				:							
20-										æ	
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Page 1 of 1

		Elevation: 14.19'	Sile Id	entification:	D-08		
		Dotum: City of Aberdeen	Location: Aberdeen-	-Wood Produ	cts		
	-	Consulting Firm: DOF, Inc.	Purpose:				
Warerhaars		Logged By:	Dote(s): 08/30/90 - 08/30/90		Borehole Dia.: 8.00"		
Weyerhaeuser		Contractor: McDonald Holt Inc.	Total Depth: 9.00°		Completed Dep	th: 9.00'	
Drilling Method: Hollaw Sterr	Auger		Blonk Casing: Diameter: 2.00" type: PVC fm: 0.3' to: 3.70'				
Permit No.:		Permit Date: / /	Screens:	Diamet			
X Coordinate: 816969		Y Coordinate: 615045		.010"	fm: 3.70'	to: 8.70'	
Remorks: Bosed on consultor	ıl's borin	g log.	Annulor Fill: type: Concrete type: Bentonite Chips type: Colorodo Silico 10-	-20 Sand	fm: .00' fm; 1.50' fm; 3.00'	to: 1.50' to: 3.00' ta: 9.00'	
Depth (ft) Recovery Sample No. Blow Count	Graphic Log USCS Callout	Material Des	cription	Well Cons		Noles	
S-1 10 8 2 5 1 R/5 10 - 15 - 20 - 20 - 10 - 10 8 2 10 10 10 10 10 10 10 10 10 10 10 10 10	GP SP	SAND: 0'-2': Paving and Then: moist, gray fine gravelly SAND WOOD: Contact uncertain	brown, slightly silty,				

	Elevation: 14.98'	Site 10	entification: D-09			
	Datum: City of Aberdeen	Location: AberdeenWood Products				
	Consulting Firm: DOF, Inc.	Purpose:				
Warrenberreen	Logged By:	Date(s): 08/30/90 -	08/30/90 Borehole Di-	a.; 8.00"		
Weyerhaeuser	Contractor: McDonald Holt Inc.	Total Depth: 9.00'	Completed	Depth: 9.00°		
illing Method: Hollow Stem Auge		Blank Cosing: type: PVC	in 7.701			
rmit No.:	Permit Dale; / /	Screens:	fm: 0.3' Diameter: 2.00"	to: 3.70'		
Coordinate: 817047	Coordinate: 615175 type: Slotted size:			)' to: 8.70'		
marks: Bosed on consultant's bo	ring log.	Annular Fill; type: Concrete type: Bentonite Chips type: Calarodo Silico 10-	fm: .00° fm: 1.50 -20 Sand fm: 3.00	)' ta: 3.00'		
Sample Blow	Moterial Des	cription	Well Construction  MP. EL. 14.75	Notes		
S-1 11 7 5 5 -	Then: moist, bro fine grovelly SA	and crushed rock. own, slightly sifty, ND. in at 4 to 7 ft.				

# 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

			Elevation				
			Top of PVC	Top of Temporary	Surface	Miscellaneous	
Location	Northing	Easting	Well Casing	PVC Riser	Monument Rim	Point	
Wells					•		
D-01	615,030.08	817,031.31	$NM^a$	NM <sup>a</sup>	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 <sup>b</sup>	
Staff Gauge	615,380.58	816,380.72	NA	NA	NA	12.89°	

Notes: Vertical datum = City of Aberdeen Datum (mean lower low water)

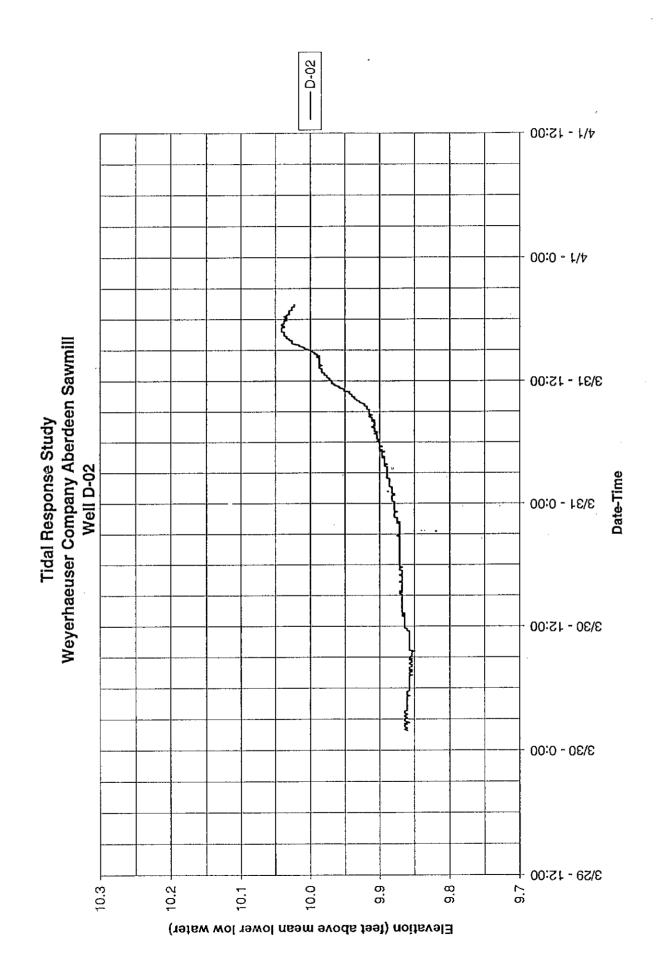
Horizontal datum = Washington State Plane System (NAD 83/91)

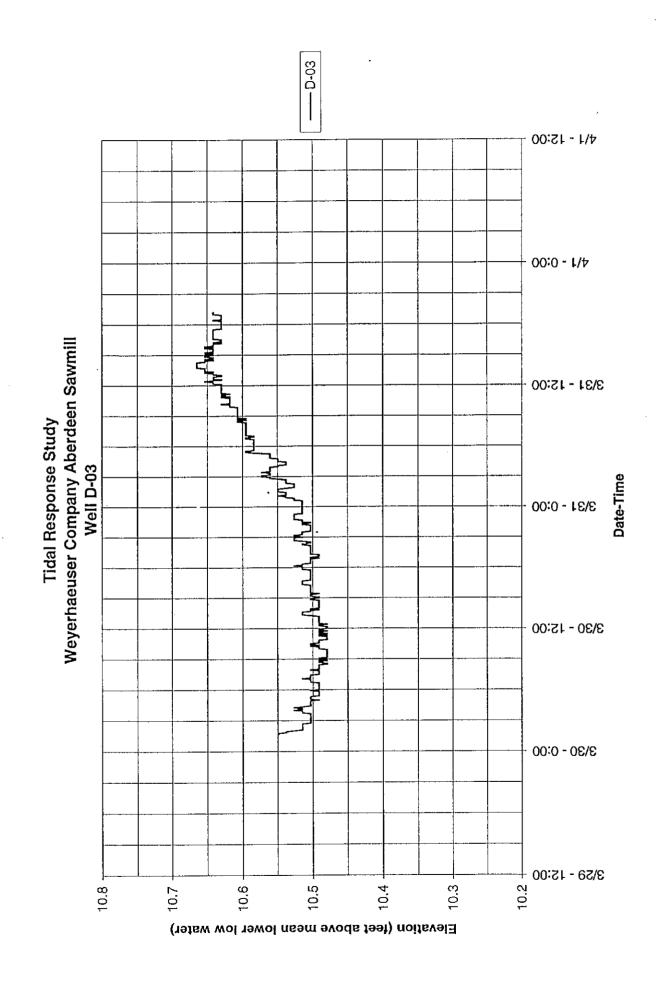
NM = not measured NA = not applicable

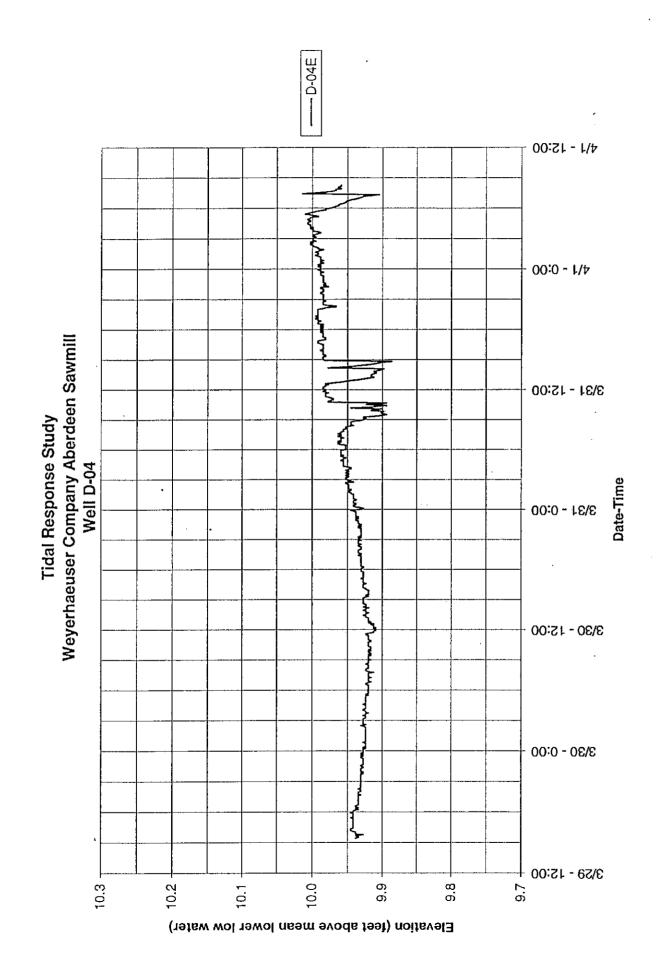
<sup>&</sup>lt;sup>a</sup> Well casing lid could not be removed or broken to enable well access

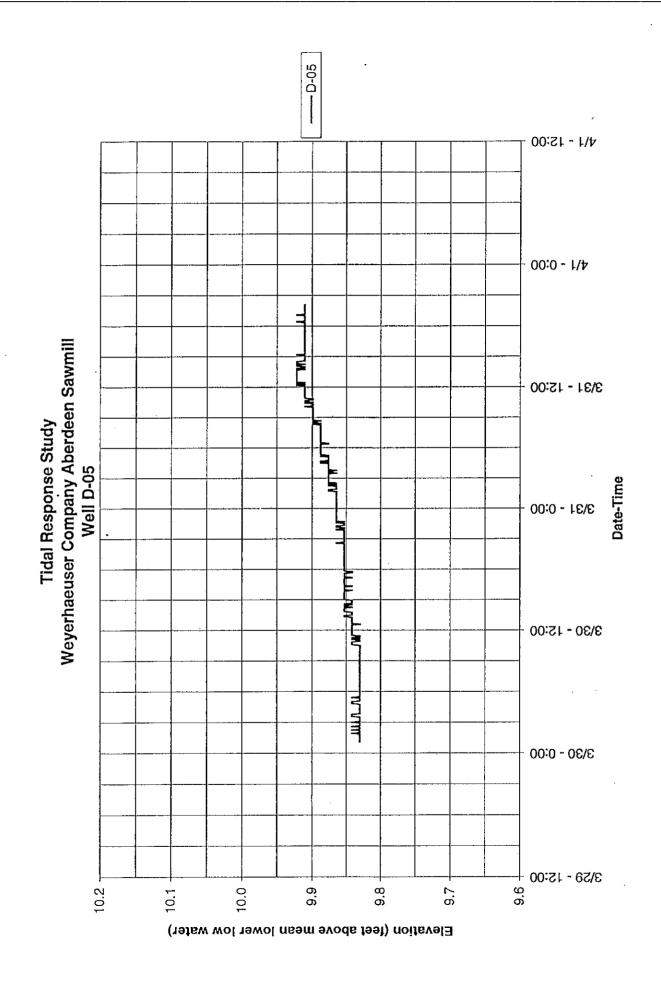
<sup>&</sup>lt;sup>b</sup> Top of metal plate at deck surface

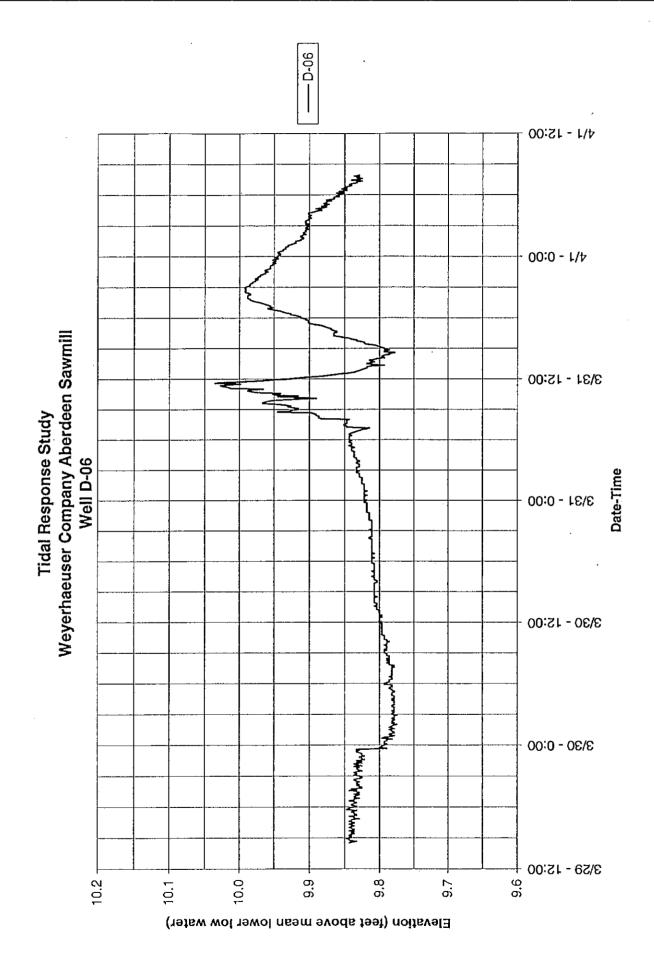
<sup>&</sup>lt;sup>c</sup> Top of nail on staff gauge (at "13.0" on staff gauge)

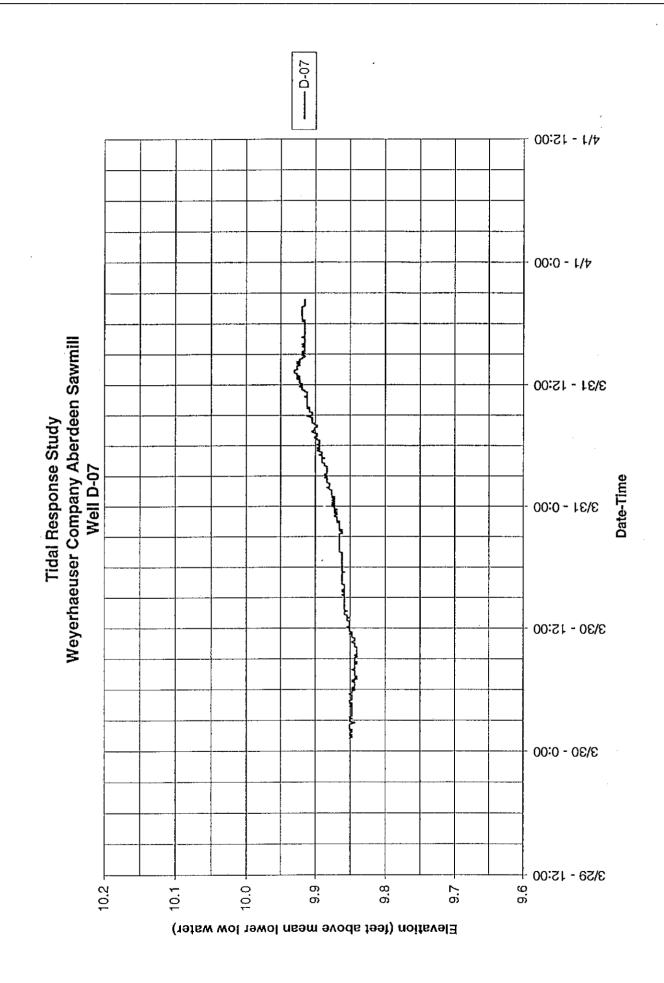


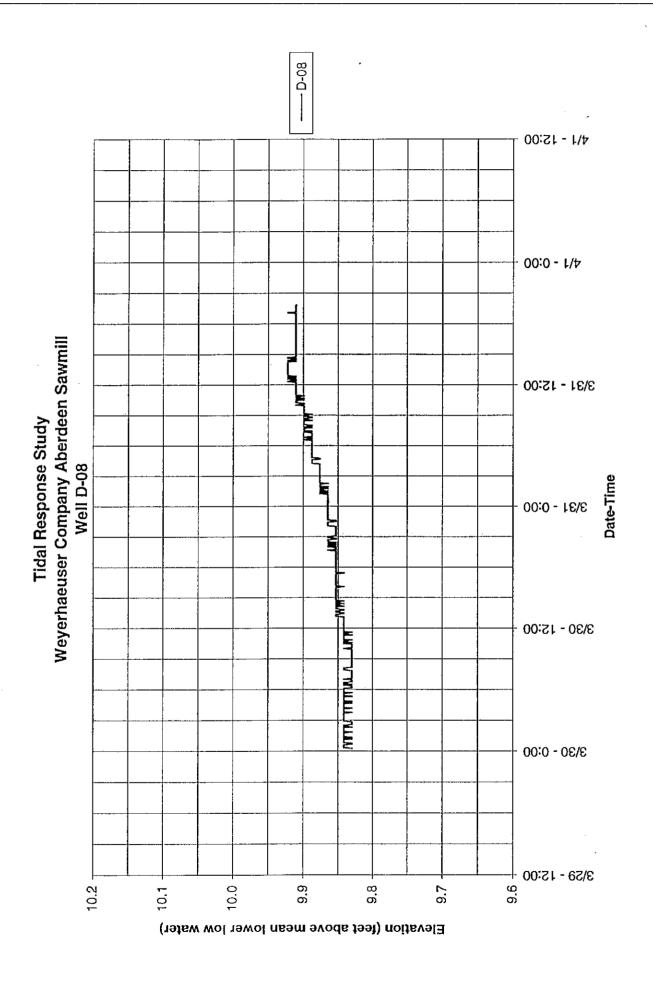


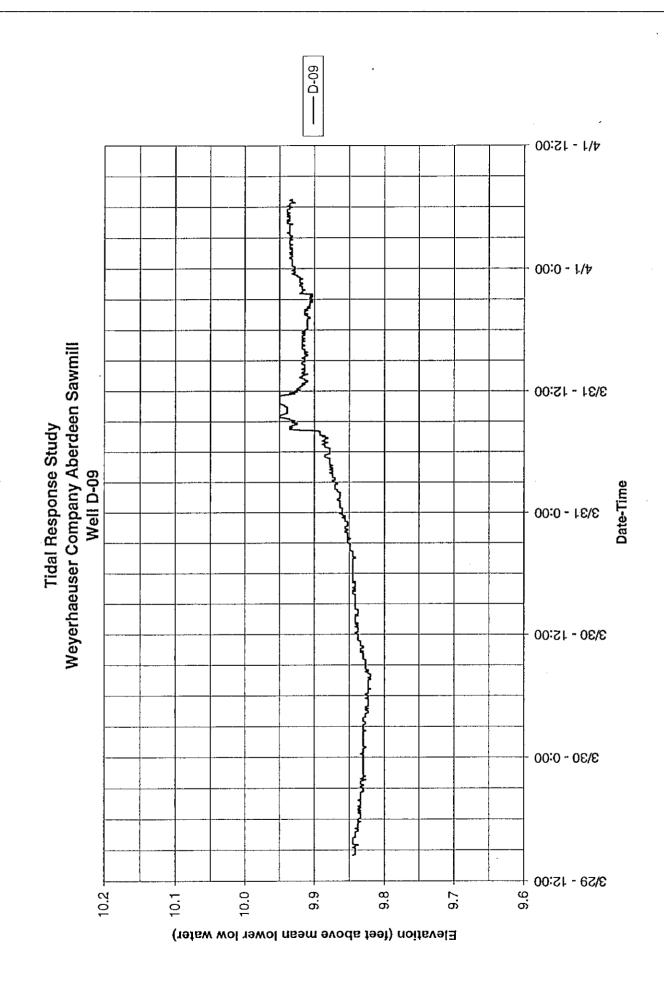


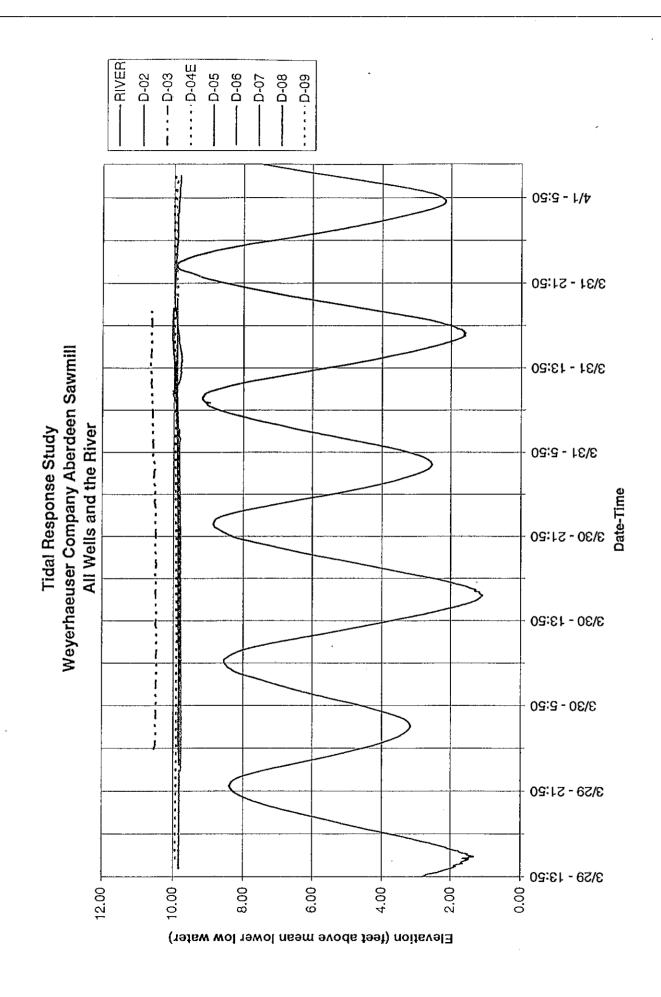


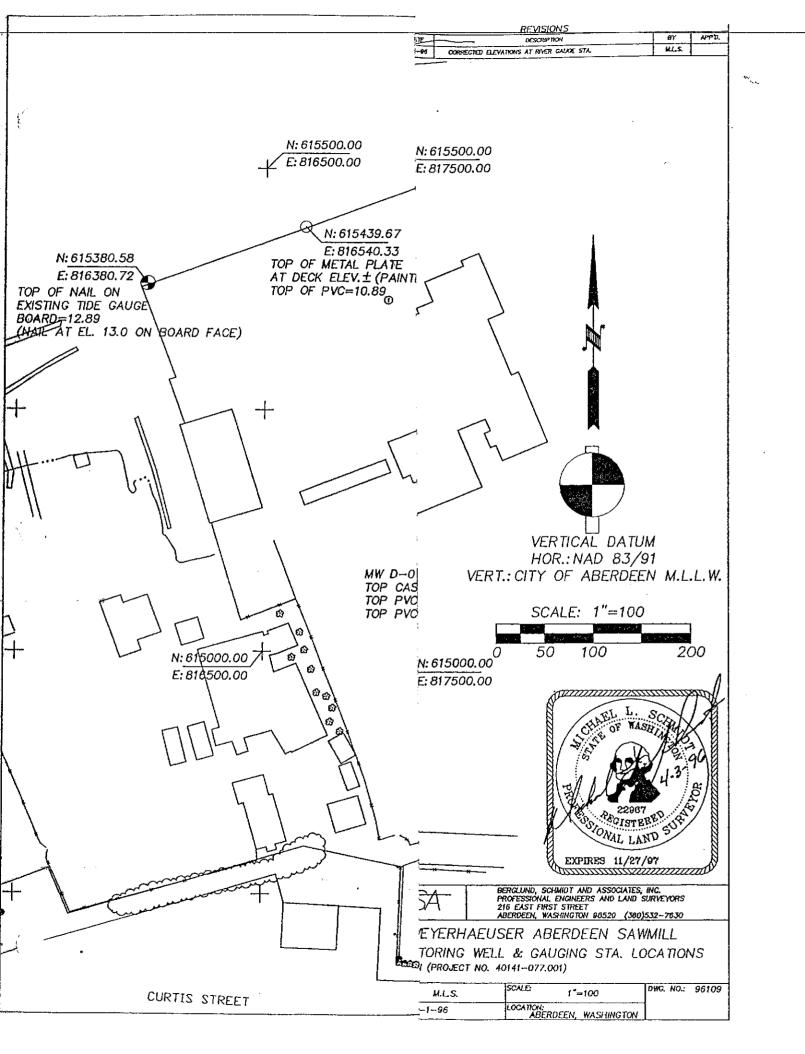












# APPENDIX G MSDS FOR NP-1

001 02/27/95 SAPSTAIN CONTROL CHEMICAL NP-1

\*

SECTION I - PRODUCT IDENTIFICATION

\*

ODUCT 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

BAZARDOUS COMPONENT

REG AGENCY

PPM NOTES MG/M3 NOTES

3-ido-2-propynyl butyl

(None established)

carbamate

CAS NUMBER: 55406-53-6 PERCENT BY WGT: 5 TO 10

Ethyl alcohol

ACGIH TLV 1000

S NUMBER: 64-17-5

1880 1000 OSHA TWA

1900

ZRCENT BY WGT: 5 TO 10

Petroleum distillates NIOSH

350

CAS NUMBER: 64742-95-6 NIOSE STEL

PERCENT BY WGT 1 TO 5 OSHA TWA

400

1800 1600

Didecyl dimethyl ammonium (None established.)

chloride

CAS NUMBER: 7173-51-5

PERCENT BY WGT: 60 TO 65

#### 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.

May be fatal if swallowed. \_.: GESTION:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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 thing 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-lodo-2-propynyl butyl carbamate did not inhibit cholinesterase in animal tests.

FLASH POINT AND METHOD: 104 F/40 C (TCC) AUTOIGNITION TEMP: No information found FLAMMABLE LIMITS: (% BY VOLUME/AIR):

LOWER: UPPER: No information found.

FXTINGUISHING 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.

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. event 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 \*

"NDLING: Avoid prolonged or repeated breathing of vapors, mists or fumes. oid 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

Vapor Density: >1

Vapor Pressure: <1 mm Hg

рH: 7.9

solubility in Water: Miscible

\* Vol by Weight: Not determined Boiling Point: Not determined Evaporation rate: (Ether =1)<1 Specific Gravity: 0.9314

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

..is product has NOT been shown to produce an allergic reaction in humans based upon the results of human testing .

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

****************
Consult the NP-1 (R) Recommended Practices Manual for information.
13 DISPOSAL CONSIDERATIONS
is product is a USEPA defined ignitable hazardous waste. Dispose of usable product as a hazardous waste (DO01) 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,
VITH RESPECT TO THE PRODUCT OR INFORMATION PROVIDED HEREIN, AND SHALL UNDER
NO CIRCUMSTANCES BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.**
ALL INFORMATION APPEARING HEREIN IS BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES. WHILE THE INFORMATION IS BELIEVED TO BE ACCURATE WAR MAKES NO REPRESENTATIONS AS TO THE ACCURACY OF

ALL INFORMATION APPEARING HEREIN IS BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES. WHILE THE INFORMATION IS BELIEVED TO BE ACCURATE, VW&R MAKES NO REPRESENTATIONS AS TO ITS ACCURACY OR SUFFICIENCY. CONDITIONS OF USE ARE BEYOND VW&RS CONTROL AND THEREFORE USERS ARE RESPONSIBLE TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PARTICULAR PURPOSES AND THEY ASSUME ALL RISKS OF THEIR USE, HANDLING, AND DISPOSAL OF THE PRODUCT, OR FROM THE PUBLICATION OR USE OF, OR RELIANCE UPON, INFORMATION CONTAINED HEREIN.

"IS INFORMATION RELATES ONLY TO THE PRODUCT DESIGNATED HEREIN, AND DOES NOT LATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY OTHER PROCESS.

\* \* \* END OF MSDS \* \* \*

# **APPENDIX H**

# SOIL AND GROUNDWATER SAMPLING DATABASE SUMMARY TABLES

# Soil Sample Results

Semi-volatiles

Page: 1A of 2F

Date: 03/05/96

SITE   D-01
CONSTITUENT         (Units in ug/kg)         DATE         05/24/90         05/24/90         05/24/90         05/24/90         05/24/90         05/24/90         05/24/90         05/24/90         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
DEPTH (ft)         4.00         6.50         9:00         14:00           Phenoi         <760 U
Phenol <760 U <820 U <810 U <1200 U  Bis(2-chloroethyl)ether <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 elcohol <760 U <820 U <810 U <1200 U
1,2-Dichlorobenzene < 760 U < 820 U < 810 U < 1200 U
2-Methylphenel <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 ป <820 ป <810 ป <1200 ป
Nitrobenzene <760 U <820 U <810 U <1200 U
Isophorone <760.U <820.U <810.U <1290.U
2-Nitrophenol <760 U <820 U <810 U <1200 U
2,4-Dimethylphenet <760 U <810 U <810 U <1200 U
Benzoic acid <3700 U <4000 U <3900 U <5600 U
Bis(2-chloroethoxy)methane <760 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-Chloroanilina < 760 U < 810 U < 810 U < 1200 U
Hexachlorobutadiene <760 U <820 U <810 U <1200 U
4-Chloro-3-methylphenel <760 U <820 U <810 U <1200 U
2-Methylnaphthalene <760 U <820 U <810 U <1200 U
Hexachlorocyclopentadiane <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-Chioronaphthalene <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

Page: 2A of 2F Date: 03/05/96

SITE	D-01	D-01	D-01	D:01
SAMPLE ID	D1S2	D183	D1S4	D1S6
CONSTITUENT (Units in ug/kg) 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	<8700 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-Bromaphenyl phenyl ether	<760 U	<820 U	<810 U	<1200 U
Hexachlorobenzene	<760 U	<820 U	<810 U	<1200 U
Pentachiorophenol	<3700 ⊍	<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 Ų	<810 U	<1200 U
3,3-Dichlorobenzidine	<1500 U	<1600 U	<1600 U	<2300 U
Benzofa)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)fiuoranthene	<760 U	<820 U	<810 ∪	<1200 U
Benzo(k)fluoranthene	<760 U	<820 U	<810 U	<1200 U
Benzo(a)pyrane	< 760 U	<820 U	<810 U	<1200 U
Indeno(1,2,3-cd)pyrene	<760 U	<820 U	<810 U	<1200 U
Dibenzo(a;ti)anthracene	<760 U	<820 U	<810 U	<1200 U
Benzo(g,h,i)perylene	<760 U	<820 U	<810 U	<1200 U
Source (Shirth botto)	7,000		73,00	

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

Table x

# Soil Sample Results Weyco Aberdeen

Page: 1B of 2F Date: 03/05/96

SITE	D-02	D-02	D-02	D-03
SAMPLEID	D252	D2S4	D2S6	D3-S2
CONSTITUENT (Units In ug/kg) DATE	05/24/90	05/24/90	05/24/90	05/24/90
DEPTH (ft)	4.00	9.00	14.50	4.00
Phenol	<770 U	<730 U	<1100 ป	<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-Dighlorobenzane	<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 ป
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 ∪	<1100 U	<1100 U
Nitrobenzene	<770 U	<730 U	<1100 U	<1100 U
Isopharane	<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)methana	<770∪	<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 ∪	<1100 U
Naphthalene	<770 U	<730 U	<1100 U	(130) J
4-Chloroaniline	<770∶∪	<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
Hexachlorocyclopentadiana	<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-Chioronaphthalene	< 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 ⊍	<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

() = Less than Detection Limit

Page: 2B of 2F Date: 03/05/96

SITE	D-02	D+02	D-02.	D-03
SAMPLEID	D2S2	D2\$4	D286	D3-S2
CONSTITUENT (Units in ug/kg) 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 ∪	<3600 U	<5100 U	<5100 U
4-Nitrophenol	<3700 U	<3600 U	<5100 U	<5100 U
Dibenzofuren	<770 Ŭ	<780 ∪	<1100 U	<1100 U
2,4-Dinitrotoluene	<770 U	<730 U	<1100 U	<1100 U
Diethyl phthalate	<770 ∪	<730 ∪	<1100 U	<1100 U
4-Chlorophenyl phenyl ether	<770 U	<730 U	<1100 U	<1100 U
Fluorene	<770 ∪	<780 U	<1100 U	<1100 U
4-Nitroaniline	<3700 U	<3600 U	<5100 U	<5100 U
4;6-Dinitro-2-methylphanal	<3700 U	<3600 U	<5100 U	<5100 U
N-Nitrosodiphenylamine	<770 U	<730 U	<1100 U	< 1100 U
4-Bromophenyl phenyl ether	<770 ∪	<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 ∪	<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 benzýl phthálate	<770 U	<730 U	<1100 U	<1100 U
3,3-Dichlorobenzidine	<1500 U	<1500 U	<2100 U	<2100 U
Benzo(a)anthracene	<770 ⊔	<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 บ
Benzo(b)fluoranthene	<770 U	<730 U	<1100 U	<1100 U
Benzo(k)fluoranthene	<770 U	<730 U	<1100 U	<1100 ป
Benzo(e) pyrene	<770 U	≮730 U	≮1100 Ü	<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 ป	<730 U	<1100 U	<1100 U
			**************************	

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() = Less than Detection Limit

Page: 1C of 2F Date: 03/05/96

SITE	D-03	D-03	D-04E	D-04E
SAMPLE ID	D3-83-A	D3-54	D4E81	D4ES4
CONSTITUENT (Units in ug/kg) 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 ∪
2-Chlorophenol	<1000 U	<1200 U	<750 U	<830 U
1,3-Dichlorobenzene	< 1000 U	<1200 U	<750 U	<830 ∪
1,4-Dichlorobenzene	<1000 U	<1200 U	<750 U	<830 U
Banzyl alcohol	<1000 U	<1200 U	<760 U	<830 U
1,2-Dichlorobenzene	<1000 U	<1200 U	<750 U	<830 U
2-Methylphenal	<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
Hexachloroethana	<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∪
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 บ
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 ∪
4-Chlaro-8-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	<6700 U	<3600 U	<4000 U
2-Chloronaphthalene	<1000 U	<1200 U	<750 U	<830 U
2-Nitroaniline	<5100 U	<5700 U	<3600 U	<4000 ⊔
Dimethyl phthalate	<1000 U	<1200 U	<750 U	<830 U
Acenaphthylene	<1000 U	<1200 U	<760 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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	SITE	D-03	D-03	D-04E	D-04E
	SAMPLE ID	D3-83-A	D3-84	D4ES1	D4ES4
CONSTITUENT (Units in ug/kg)	DATE	05/24/90	05/24/90	05/25/90	05/25/90
	DEPTH (ft)	6.50	9.00	2.80	9.00
Acenaphthene		<1000 U	<1200 U	<750 U	<830 U
2.4-Digitrophenol		<5100 U	<5700 ∪	<3600 ∪	<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	<760 U	<830 U
4-Chlorophenyl phenyl ether		<1000 U	<1200 U	<760 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
Pentachlorophanol		<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(e)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	(250) BJ	(200) BJ
Di-n-octyl phthalate		<1000 U	<1200 U	<750 U	<830 U
Benzo(b)fluoranthene		<1000 U	<1200 U	<760 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

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	SITE D:04E	D+05	D-05	D-05
	SAMPLEID D4ES6A	D551	D582	D587
CONSTITUENT (Units in ug/kg)	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-Dichiarabenzene	<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 ∪	<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
Isopharane	<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 ∪	<1200 U
Benzoic acid	<5200 U	<3600 U	<3600 U	< 6700 U
Bis(2-chloroethoxy)methane	<1100 ⊍	<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
Hexachlorocyclopentadiane	<1100 U	<730 U	<730 ∪	<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-Chioronaphthalene	<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 ั	<730 U	<730 ∪	<.1200 U
2,6-Dinitrotoluene	<1100 U	<730 U	<730 U	<1200 U
3:Nitroanjijne	≮5200 U	<3600 U	< 3600 U	<5700 U

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() = Less than Detection Limit

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SITE	D-04E	D-05	D-05	D-05
SAMPLE ID	D4ES6A	D5S1	D5S2	D5\$7
CONSTITUENT (Units in ug/kg) DATE	05/25/90	05/25/90	05/25/90	05/25/90
DEPTH (fr)	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 ∪	<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-Chiorophenyl 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	< 6200 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
Anthracena	<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 ∪	<730 U	<1200 U
3,3-Dichlorobenzidine	<2100 U	<1500 U	<1500 U	<2300 U
Benzolalanthracana	<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 ∪	(450) BJ
Di-n-octyl phthalate	<1100 U	<730 U	<730 U	<1200 U
Benzo(b)fluoranthene	<1100 U	<780 U	<730 U	<1200 U
Benzo(k)fluoranthene	<1100 U	<730 U	<730 U	<1200 U
Banzo(a)pyrene	<1100 U	<730 U	<730 U	<1200 U
Indeno(1,2,3-cd)pyrene	<1100 U	<730 U	<730 U	<1200 U
Dlbenzo(a;h)anthracene	<1100 U	<730 U	<730 U	<1200 U
Benzo(g,h,i)perylene	<1100 U	<730 U	<730 U	<1200 U

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() ⊨Less than Detection Limit

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SITE	D-06	D-06	D-07	D-07
SAMPLEID	D6S1	D6S2	D751	D7\$2
CONSTITUENT (Units in ug/kg) 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-chloroethyllether	<710 U	<790 U	<730 U	<1100 U
2-Chlorophenol	<710 U	<790 U	<730 U	<1100 U
1,3-Dichlarobenzene	<710 U	<790 U	<730U	<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-Methylphenal	< 710 U	<790 U	<730 U	< 1100 U
N-Nitroso-di-n-propylamine	.<710 ป	<790 U	<730 U	<1100 U
Hexachloroethane	<710 U	<790 U	<730 U	<1100 U
Nitrobenzene	<710 U	<790 U	<730 U	<1100 U
lsophorone	<710 U	<790 U	<730 U	<1100 U
2-Nitrophenol	<710 U	<790 U	<730 U	< 1100 U
2,4-Dimethylphenol	<710 U	<790 U	<730 U	<1100 U
Benzolc 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 Trichlorophenal	<3400 U	<3800 U	<3500 U	≮6100 U
2-Chloronaphthalene	<710 U	<790 U	<730 U	<1100 ∪
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 ∪
3:Nitroaniline	<3400 U	<3800 U	<3500 U	<5100 U

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	SITE	D-06	D-06	D-07	D-07
	SAMPLE ID	D681	D6S2	D781	D752
CONSTITUENT (Units in ug/kg)	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	<8500 U	<5100 U
4-Nitrophenol		<3400 U	<3800 U	<3500 U	<5100 U
Dibenzofuran		<710 ∪	<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
Fluorene		<710 ∪	<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-Nitrosodiphenyiamine		<710 U	<790 U	<730 U	<1100 U
4-Bromophenyl phenyl ether		<710 ∪	<790 U	<730 U	<1100 U
Hexachlorobenzene		<710 U	<790 U	<730 U	<1100 U
Pentechlorophenol		< 3400 U	<3800 U	<3500 U	<5100 U
Phenanthrene		<710 U	<790 U	1400 U	<1100 U
Anthracene		<710 U	<790 ∪	<730 U	<1100 U
Di-n-butylphthalate		<710 U	<790 U	<730 U	<1100 U
Fluoranthene		<710 U	≮ <b>7</b> 90 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 ∪	<1100 U
Bis(2-ethylhexyl)phthalate		<710 U	(320) J	<730 U	<1100 U
Di-n-octyl phthalate		<710 U	(480) BJ	<730 U	<1100 U
Benzo(b)fluoranthene		<710 U	< <b>7</b> 90 U	<730 U	<1100 U
Benzo(k)fluoranthene		<710 U	<790 U	<730 U	<1100 U
Benzo(e)pyrene		<710 U	<790 U	<730 U	<1100 U
Indeno(1,2,3-cd)pyrene		<710 ∪	<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
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() = Less than Detection Limit

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SITE	D-08	D-09
SAMPLE ID	D851	D9S1
CONSTITUENT (Units in ug/kg) DATE	08/30/90	08/30/90
DEPTH (ft)	4.00	4.00
Phenol	<770 U	<750 U
Bis(2-chloroethyllether	<770 U	<750 U
2-Chlorophenol	<770 U	<750 U
1,3-Dichlorobenzene	<770 ∪	<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
Isopherone	<770 U	<750 U
2-Nitrophenol	<770 U	<750 U
2,4-Dimethylphenol	<770 U	<760 U
Benzoic acid	<3800 U	<3600 U
Bis(2-chloroethoxy)methane	<770 ∪	<750 U
2,4-Dichlorophenol	<770 U	<750 U
1,2,4-Trichlorobenzene	<770 Ü	<750 U
Naphthalene	<770 U	<750 U
4:Chloroanilina	<770 ∪	<760 U
Hexachlorobutadiene	<770 U	<750 U
4+Chloro-3-methylphenol	<770 ∪	<760:U
2-Methylnaphthalene	<770 U	<750 U
Hexachlorocyclopentadiene	<770 ∪	<760: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 ∪	<760: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

Page: 2F of 2F Date: 03/05/96

SITE	D:08	D-09
SAMPLEID	D851	D951
CONSTITUENT (Units in ug/kg) DATE	08/30/90	08/30/90
DEPTH (ft)	4.00	4:00
Acenaphthene	<770 U	<750 U
2,4-Dinitrophenol	<3800 U	<8600 U
4-Nitrophenol	<3800 U	<3600 U
Dibenzofuran	<770 U	<750 U
2,4-Dinitrotoluene	<770 U	<750 U
Diethyl phthalate	<770 ∪	<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-Bromaphenyl phenyl ether	<770∪	<750 U
Hexachlorobenzene	<770 U	<760 U
Pentachlorophenol	<3800 U	<3600 U
Phenanthrene	<770 U	<750 U
\ethracene	<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
Bls(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)pγrene	<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

Volatile Organics Page: 1A of 2R

Date: 02/07/96

	,	_	j	
SITI	E D-01	D-01	D-01	D-01
SAN	MPLEID WELL D-1	ABERDEEN D-1	D-1	D-1 9-25 1230
CONSTITUENT (Units in ug/l) DAT	TE 05/25/90	08/15/90	05/30/91	09/25/91
Chloromethane	<10 U	<10 U	<10 U	<10 U
Bromomethane	<10.U	<10 U	<10 U	<10U
Vinyl chloride	<10 U	<10 U	<10 U	<10 U
Chloroethane	54	34	<10U	9 J
Methylene chloride	<5 U	41	<5 U	3 J
Acetone	<10U	≮10 U	<10 U	<100
Carbon disulfide	<5 U	<5 U	<5 U	<10 U
1,1-Dichloroethene	<b>&lt;</b> 5∪	<5U	<5U	<10 U
1,1-Dichloroethane	<5 U	<5 U	<5 U	<10 U
1,2-Dichlorosthene	<5 U	<5U	<5U	<10 U
Chloroform	<5 U	<5 U	< ជ U	<10 U
1,2-Dichlorosthane	<5 U	<5U	<5U	<10 U
2-Butanone	<10 U	<10 U	<10 U	<10 ป
1,1,1-Trichlaraethane	<5 U	<5U	<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-Dichloropropana	<5 U	<5U	<5 U	<10 U
cis-1,3-Dichloropropene	<5 U	<5 U	<5 U	<10 U
Trichloroethene	<5 U	<5U	<5.U	<10 U
Dibromochloromethane	<5 U	<5 U	<5 U	<10 U
1,1,2-Trichloroethane	<5 U	<5U	<5U	<10 U
Benzene	<5 U	<5 U	<5 U	<10 U
trans-1,3-Dichloropropene	<5 U	<5U	<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	<5U	<5 U	<5 U	<10 U
1,1,2,2-Tetrachloroethane	<6 U	<5 U	<5 U	<10 U
Toluene	<6.U	<5∪	<5U	<10 U
Chlorobenzene	<5 U	<5 U	<5 U	<10 U
Ethylbenzene	<6U	<5 U	<5U	<10 U
Styrene	<5 U	<5 ป	<5 U	<10 U
Xylene (total)	<5 U	<5 U	<6U	<10 U
1.5 1				

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

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Date: 02/07/96

S(TE SAMPLE:II		D-01 ABERDEEN D-1	D-01 I D-1	D-01 D-1 9-25 1230
CONSTITUENT (Units in ug/l) DATE	05/25/90	08/15/90	05/30/91	09/25/91
1,3-Dichlorobenzene	<10 U	<20 U	<10 U	<10 U
1,4-Dichlorobenzene	<10 U	<20 U	<10 U	<10.0
1,2-Dichlorobenzene	<10 U	<20 U	<10 U	<10 U
Values represent total concentrations unless noted	< = Not detected at indica	ited reporting limit	=Not analyzed	
For RCL 8240				

Page: 1B of 2R Date: 02/07/96

	SITE	D-01	D-01	D-01	D-01
	SAMPLE ID	D-1 12/18 1030	EPA Sample	D-1	D-1
CONSTITUENT (Units in ug/l)	DATE	12/18/91	01/16/92	07/14/92	10/27/92
Chloromethane		<10 U	<1	<10 U	<10 U
Bromomethene		<10U	<1	<10U	<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	<b>ح</b> ا		<10 U
1,1-Dichloroethane		<10 U	(0.3) J	<10 U	<10 U
1,2-Dichloroethene		<100		<10 U	<10 U
Chloroform		<10 U	<1	<10 U	<10 U
1,2-Dichloroethane		<10U	<b>&lt;</b> 1	<10 U	<10 U
2-Butanone		<10 U	<6	<10 U	<10 U
1,1,1-Trichlorpethana		<100	<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		<100	<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-Trichlorgethane		<10 U	<1	<10 U	<10 U
Benzene		<10 U	<1	<10 U	<10 U
trans-1,3-Dichloropropene		<10.0		<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	<100
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	<100
14 1					

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

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Date: 02/07/96

SATE   D-01
CONSTITUENT         (Units in ug/l)         DATE         12/18/91         01/16/92         07/14/92         10/27/92           1,3-Dichlorobenzene          <1#         <11 U         <10 U           1,4-Dichlorobenzene          <1#         <11 U         <10 U
1,4-Dichlorobenzene <1# <11.U <10.U
Values represent total concentrations upless noted. < = Not detected at indicated reporting limits. = Not analyzed
Values represent total concentrations unless noted <= Not detected at indicated reporting limit = Not analyzed #= Constituent in more than one test method, highest result reported.

Page: 1C of 2R Date: 02/07/96

Second   S					
CONSTITUENT (Unit in sign)   DATE   02/04/55   05/12/85   07/15/85   10/20/95	SITE	D-01	D-01	D-01	D-01
Chloromethane	SAMPLE ID	D-1	D-1	D-1	D-1
Second   S	CONSTITUENT (Units in ug/l) DATE	02/03/93	05/12/93	07/15/93	10/20/93
Second   S					
Virtyl chloride         < 50 U         < 10 U         < 10 U         < 10 U           Doloschanna         < 50 U	Chloromethane		<10 U		_
### Chieroethane	Bromomethane	<50 U	<10 U	<10 U	<10 U
Methylane chloride	Vinyl chloride	< 50 U	<10 U	<10 U	< 10 U
Agricolome	Chloroethane	<50 U	<10U	<10 U	<10 U
Carbon disulfide	Methylene chloride			27	
1.3 Dichloroethene	Acetone	430	<10 U	<10 U	24
1,1-Dichloroethane	Carbon disulfide	<50 U	<10 U	<10 U	<10 U
2.2-Dichloroathene	1,1-Dichloroethene	<50U	<10 U	<10 U	<10 U
Chloroform	1,1-Dichloroethane	<50 U	<10 U	<10 U	<10 U
2-Dichloroethane	I,2-Dichloroethene	<50 U	<10 U	<10 ∪	<10 U
Care   Care	Chloroform	<50 U	<10 U	<10 U	< 10 U
Company   Comp	1,2:Dichloroethane	<50 U	<10 U	<10 U	<10 U
Carbon tetrachloride         < 50 U         < 10 U         < 10 U         < 10 U           Zinyl acetate         —	2-Butanone	<50 U	<10 U	<10 U	<10 U
### Action of the control of the con	I; 1; 1-Trichloroethane	<60 U	<10 U	<10 U	<10 U
Stromodichloromethane   SD U	Carbon tetrachloride	<50 U	<10 U	<10 U	<10 U
2-Dichloropropane   < 50 U	√inyl acetate				
Sis-1,3-Dichloropropens   Sis-1,3-Dichloro	Bromodichloromethane	<50 U	<10 U	<10 U	<10 U
Chichlorgathene   Court   Co	,2-Dichloropropane	<50 U	<10 U	<10 U	<10 U
Spinomochloromethane	sis-1,3-Dichloropropene	<50 U	<10 U	<10 U	<10 U
1,2-Trichloroethane	frichlorgethene	<50 U	<10 U	<10 U	<10 U
Senzene	Dibromochloromethane	<50 U	<10 U	<10 U	<10 U
Common   C	,1,2-Trichloroethane	<50 U	<10 U	<10 U	<10 U
Styrene   Style   Styrene   Style   Styrene   Style   Styrene   Style   Styrene   Style   Styrene   Style   Styrene   Style   Style   Styrene   Style   Style   Styrene   Style   St	Benzene	<50 U	<10 U	<10 U	<10 U
Methyl-2-pantanone	rans-1,3-Dichloropropena	<60 U	<10 U	<10 U	<10 U
Color	Bromoform `	<50 U	<10 U	<10 U	<10 U
etrachloroethene         < 50 U         < 10 U         < 10 U         < 10 U           ,1,2,2-Tetrachloroethane         < 50 U	1-Methyl-2-pentanone	<50 U	<10 U	<10 U	<10 U
,1,2,2-Tetrachloroethane       <50 U	2-Hexanona	<50 U	<10 U	<10 U	<10 U
Oluene         < 50 U         < 10 U         < 10 U         < 10 U           Chlorobenzene         < 50 U	etrachloroethene	<50 U	<10 U	<10 U	<10 U
Chlorobenzene <50 U <10 U <10 U <10 U  Chylbenzene <50 U <10 U <10 U <10 U  Styrene <50 U <10 U <10 U	,1,2,2-Tetrachloroethane	<50 U	<10 U	<10 U	<10 U
thylbenzene <50 U <10 U <10 U <10 U <10 U	Oluene	<50 U	<10 U	<10 U	<10 U
tyrene <50 U <10 U <10 U	Chlorobenzene	<50 U	<10 U	<10 U	<10 U
	thylbenzene	<50 U	<10 U	<10 U	<10 U
(ylene (total) < 10 U < 10 U < 10 U	Styrene	<50 U	<10 U	<10 U	<10 U
	(ylene (total)	<60 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

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Date: 02/07/96

CONSTITUENT: (Units in ug/l)	SITE SAMPLE ID DATE	D-01 D-1 02/03/93	D-01 D-1 05/12/93	D-01 D-1 07/15/93	D-01 D-1 10/20/93
,3-Dichlorobenzene ,4:Dichlorobenzene		<10 U	<12# U <12# U	<10# U <10# U	<10 U
,2-Dichlorobenzene		<10 U	<12# U	<10# U	<10 U
			·		

#=Constituent in more than one test method, highest result reported.

Page: 1D of 2R Date: 02/07/96

SITE	D-02	D:02	D-02	D-02
SAMPLE ID	WELL D-2	ABERDEEN D-2	D-2	D-2
CONSTITUENT (Units in ug/l) DATE	05/25/90	08/15/90	01/09/91	05/30/91
Chloromethane	<10 U	<10 U	<10 U	<10 U
Bromomethane	<10U	<10 U	<10 U	<10 U
Vinyl chloride	<10 U	<10 U	<10 U	<10 U
Chloroethane	<10 U	<10 U	<10 U	<10U
Methylene chloride	<5 U	14	<5 U	<5 U
Acetone	<100	<10 U	130	<10 U
Carbon disulfide	<5 U	2. J	<5 U	<5 U
1,1-Dichloroethene	<5 U	<5U	<5U	<5U
1,1-Dichloroethane	(4) J	<5 U	<6 U	<5 U
1,2-Dichloroethene	<5U	<5U	<5U	<5U
Chloroform	<5 U	<5 U	<5 U	<5 U
1,2-Dichloroethane	<5U	2 J	<5U	<5U
2-Butanone	<10 U	<10 U	<10 U	<10 U
1;1;1-Trichloroethane	<5U	<5 U	<5U	<5U
Carbon tetrachloride	<5 U	<6 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	<6U	<5U	<5U	<6U
cis-1,3-Dichloropropene	<5 U	<5 U	<5 U	<5 U
Trichloroethene	<5U	<5U	<5U	<5U
Dibromochloromethane	<5 U	<5 U	<5 U	<5 U
1,1,2-Trichloroethane	<5U	<5U	<5U	<5U
Benzene	<5 U	<5 U	<5 U	<5 U
trans-1,3-Dichloropropene	<5 U	<5U	<5U	<5U
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
Tetrachloroethene	<5U	<5U	<5U	<6U
1,1,2,2-Tetrachloroethane	<5 U	<5 บ	<5 U	<5 U
Toluene	<5U	<5U	<5U	<5U
Chlorobenzene	<5 U	<5 U	<5 U	<5 U
Ethylbanzana	<5U	<5U	<5U	<5U
Styrene	<5 U	<5 U	<5 U	<5 U
Xylene (totel)	<5U	<6U	<5U	<5U

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

Table 2

Weyco Aberdeen

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Date: 02/07/96

	SITE SAMPLE ID	D-02 WELL D-2	D-02 ABERDEEN D-2	D:02 D-2	D-02 D-2
CONSTITUENT (Units in ug/l)	DATE	05/25/90	08/15/90	01/09/91	05/30/91
1,3-Dichlorobenzene 1,4-Dichlorobenzene		<10 U <10 U	<20 U <20 U	<11 U <11 U	<10 U <10 U
1,2-Dichlorobenzene		<10 U	<20 U	<11 U	<10 U
Values represent total concentrations	unless noted <=No	et detected at indica	eted reporting limit	-=Not analyzed	
For RCL 8240					

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Date: 02/07/96

			Anniano	
SITE	D-02	D-02	D-02	D-02
SAMPLEID	D-2 9-25 1000	D-2 12/18 1000	EPA Sample	D-2
CONSTITUENT (Units in ug/l) DATE	09/25/91	12/18/91	01/16/92	07/14/92
Chloromethane	<10 U	<10 U	<1	<10 ∪
Bromomethane	<10 U	<10 U	<1	<10 U
Vinyl chloride	<10 U	<10 U	<1	<10 U
Chloroethene	<10 U	(9) J	Б	<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-Dichloroethene	<10 U	<10 U	<1	
1,1-Dichloroethane	<10 U	(1) J	1	<10 ∪
1,2-Dichloroethane	<10 U	<10∪		<10 U
Chloroform	<10 U	<10 U	<1	<10 ∪
1, 2:Dichloroethane	<10 U	<10 U	<1 -	<10 U
2-Butanone	<10 U	<10 U	< 5	<10 ∪
1,1,1-Trichloroethane	<10 U	<10 U	<1	<10 U
Carbon tetrachloride	<10 U	<10 U	<1	<10 U
Vinyl acetate	44.11			
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
Trichloroethene	<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	<u></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
Tetrachloroethene	<10 U	<10 U		<10 U
1,1,2,2-Tetrachloroethane	<10 U	<10 U	<1	<10 U
Taluene	<10 U	<10 U	<1	<10 U
Chlorobenzene	<10 U	<10 U	<1	<10 U
Ethylbenzene	<10 U	<10 U	<1	<100
Styrene	<10 U	<10 U	<1	<10 U
Xylene (total)	<10 U	<10 U	<1	<10 U
Values represent total concentrations unless noted <= No	t dataatad at indicat	ad raparting limit	-Not applying	

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

Page: 2E of 2R

#=Constituent in more than one test method, hig		and topoliting milit	— Not undyzou	
Values represent total concentrations unless noted	d <=Not detected at inc	licated reporting limit	=Not analyzad	
1;4:Dichlorobenzene 1,2-Dichlorobenzene	<10 U	<del></del> 	<1# <1#	<10 U <10 U
1,3-Dichlorobenzene	<10 U		<1#	<10 U
SAMPLE CONSTITUENT (Units in ug/l) DATE	ID D-2 9-25 100 09/25/91	0 D-2 12/18 1000 12/18/91	EPA Sample 01/16/92	D-2 07/14/92
SITE	D-02	D-02	D-02	D-02

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SITE	D-02	D-02	D-02	D-02
SAMPLE ID	D-2	D-2	D-2	D-2
CONSTITUENT (Units in ug/l) DATE	10/27/92	02/03/93	05/12/93	07/15/93
Chloromethane	<10 U	<10 U	<10 U	<10 U
Bromomathane	<10 ∪	<10 U	<10 U	<10 U
Vinyl chloride	<10 U	<10 U	<10 U	<10 U
Chlaraethana	<10 U	<10 U	<10 U	<10 U
Methylene chloride	2 J	<10 U	(4) J	(8) J
Acetone	<10 U	<10U	<10 U	<10 U
Carbon disulfide	<10 U	<10 U	<10 U	<10 U
1,1-Dichloroethene	<10 U	<10 U	<10 U	<10 Ü
1,1-Dichloroethane	<10 U	<10 U	<10 U	<10 U
1,2-Dichloroethene	<10 U	<10 U	<10 U	<10 U
Chloroform	<10 U	<10 U	<10 U	<10 U
1,2-Dichloroethane	<10.0	<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	<10U	<10 U	<10 U	<100
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	<10.0
Bromoform	< 10 U	<10 U	<10 U	< 10 U
4-Mathyl-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-Tetrachioroethane	< 10 U	<10 U	<10 U	<10 U
Toluene	<100	<10 ∪	<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	<100
				-

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

Page: 2F of 2R Date: 02/07/96

		SITE SAMPLE ID	D-02 D-2	D-02 D-2	D-02 D-2	D-02 D-2
CONSTITUENT	(Units in ug/l)	DATE	10/27/92	02/03/93	05/12/93	07/15/93
1,3-Dichlorobenzo			< 10 U < 10 U	<10 U <10 U	< 12# U < 12# U	<10# U <10# U
1,2-Dichlorobenze			<10 U	<10 U	<12# U	<10# U
	total concentrations u more than one test r			dicated reporting limit	=Not analyzed	
For RCL 8240		<b>. .</b>	•			

Page: 1G of 2R Date: 02/07/96

	SITE	D-02	D-03	D-03	D-03
	SAMPLE ID	D-2	D-38	ABERDEEN D-3	D-3
CONSTITUENT (Units in ug/l)	DATE	10/20/93	05/28/90	08/15/90	01/09/91
Chloromethane		<10 U	<10 U	<10 U	<10 U
Bromomethane		<10U	<10 U	<10 U	<10 U
Vinyl chloride		<10 U	<10 U	<10 U	<10 U
Chloroethane		<100	<10 U	<10 U	<10.U
Methylene chloride		<10 U	<5 U	65 <10 U	<5 U <10 U
Acetane Carbon disulfide		<10 U	62 <5 U	< 5 U	<5U
1,1-Dichloroethene		<10U	<5.0	<5∪	<5.U
1,1-Dichloroethane		<10 U	<5U	<5 U	<5 U
1,2-Dichloroethene		<10U	<5∪ <5∪	<5U	<5U
Chloroform		<10 U	<5 U	<5 U	<5 U
1,2-Dichloroethane		<10 U	<5U	<5U	<5U
2-Butanone		<10 U	12	<10 U	<10 U
1,1,1-Trichloroethane		<10U	<6.U	<5U	<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	<5Ú	<5U
cis-1,3-Dichloropropene		<10 U	<5 U	<5 U	<5 U
Trichloroethene		<10U	<5 U	<5 U	<5U
Dibromochloromethane		<10 U	<5 U	<5 U	<5 U
1,1,2-Trichloroethane		<10 U	<5U	<5 U	<5U
Benzene		<10 U	<5 U	<5 U	<5 U
trans-1,3-Dichloropropene		<10 U	<b>∠</b> 5U	<5U	<5U
Bromoform		<10 U	<5 U	<5 U	<5 U
4-Methyl-2-pentanone		<10 ∪	<10 U	<10 U	<10 U
2-Hexanone		<10 U	<10 U	<10 U	<10 U
Tetrachloroethene		<10 U	<6U	<5U	<5 U
1,1,2,2-Tetrachloroethane		<10 U	<5 U	<5 U	<5 U
Toluene		<10 U	<5U	< 5 U	<5 U
Chlorobenzene		<10 U	<5 U	<5 U	<5 U
Ethylbenzene		<10 U	<5U	<6U	<5U
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

Page: 2G of 2R

SITE SAMPLE ID CONSTITUENT (Units in ug/l) DATE	D-02 D-2 10/20/93	D-03 D-38 05/28/90	D-03 ABERDEEN D-3 06/15/90	D-03 D-3 01/09/91
1,3-Dichlorobenzene	<10 U	<10 U	<20 U	<10 U
1.4-Dichlorobenzene	<10 U	<10 U	<20 U	<10 U
1,2-Dichlorobenzene	<10 U	<100	<20 U	<10 U
Values represent total concentrations unless noted	< = Not detected at indica	ted reporting limit -	=Not analyzed	
For RCL 8240				

Page: 1H of 2R Date: 02/07/96

	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
CONSTITUENT (Unite in ug/l)	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 ∪	<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	<5U	<10 U	<10 U	
1,1-Dichloroethane	<5 U	<10 U	<10 U	<10 U
1,2-Dichloroethene	<6 U	<10 U	<10 U	<10 U
Chloroform	<5 U	<10 U	<10 U	<10 U
1,2:Dichloroethane	<5U	<10 U	<10 U	<10 U
2-Butanone	<10 U	<10 U	<10 U	· <10 U
1,1.1-Trichlorgethane	<5U	<10 U	<10 U	<10 U
Carbon tetrachloride	< 5 U	<10 U	<10 U	<10 U
Vinyl ecetate	<10U	<10 U		
Bromodichloromethane	<5 U	<10 U	<10 U	<10 U
1,2-Dichloropropane	<5Ü	<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 Ü	<10 ∪	<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
Tetrachloroethene	<5 U	<10 U	<10U	<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

Page: 2H of 2R

SITE  SAMPLE ID  CONSTITUENT (Units in ug/l) DATE	D-03 D-3 D6/30/91	D-03 D-3 9-25 0930 09/25/91	D-03 D-3 12/18 0900 12/18/91	D-03 D-3 07/14/92
1,3-Dichlorobenzene	<10 U	<11# U		<11 U
1,4: Dichlorobenzene	<10 U	<11#U	<del></del>	<11 ∪
1,2-Dichlorobenzene	<10 U	<11# U		<11 U
Values represent total concentrations unless noted	<=Not detected at indicate	ated reporting limit -	=Not analyzed	
#=Constituent in more than one test method, higher	st result reported.			
For RCL 8240				

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SITE	D-03	D-03	D-03	D-03
SAMPLEID	D-3	D-3	D-3	D-3
CONSTITUENT (Units in ug/l) DATE	10/27/92	02/03/93	05/12/93	07/15/93
Chloromethane	<10 U	<10 U	<10 U	<10 U
Bromomethane	<10U	<10 U	<10 U	<10 U
Vinyl chloride	<10 U	<10 U	<10 U	<10 U
Chloroethane	<10 U	<10 U	<10U	<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-Dichloroethene	<10 U	<10 U	<10 U	<100
1,1-Dichloroethane	<10 U	<10 U	<10 U	<10 U
1,2-Dichloroethene	<10 U	<10 U	<10:U	<10 U
Chloroform	<10 U	<10 U	<10 U	<10 U
1,2-Dichloroethane	<10U	<10 U	<10 U	<10 U
2-Butanone	<10 U	<10 U	<10 U	<10 U
1,1,1-Trichloroethane	<10U	<10 U	<10 U	<10 U
Carbon tetrachloride	<10 U	<10 U	<10 U	<10 U
Vinyl acetate				2-2
Bromodichloromethane	<10 U	<10 U	<10 U	<10 U
1,2-Dichloropropane	<10U	<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 ∪
Benzene	<10 U	<10 U	<10 U	<10 U
trans-1,3-Dichloropropena	<10 U	<10 U	<10 U	<10 ∪
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
Tetrachioroethene	<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
Ethylberizene	<10 U	<10.U	<10 U	<10 ∪
Styrene	<10 U	<10 U	<10 U	<10 U
Xylane (total)	<10.0	<10 U	<10 U	<10.0

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

Page: 2I of 2R

SITE SAM	D-03 PLE ID D-3	D-03 D-3	D-03 D-3	D-03 D-3
CONSTITUENT (Units in ug/l) DAT	10/27/92	02/03/93	05/12/93	07/16/93
1,3-Dichlorobenzene	<10 U	<11 ∪	<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
		•		
1				
Values represent total concentrations unless r	noted <=Not detected at	indicated reporting limit	≃Not analyzed	
#=Constituent in more than one test method,		-		
For RCL 8240				

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SITE	D-03	D-04E	D-04E	D-04E
SAMPLE ID	D-3	D-4	ABERDEEN D-4	D-4E
CONSTITUENT (Units in ug/l) DATE	10/20/93	05/28/90	08/15/90	01/09/91
Chloromethane	<10 U	<10 U	<10 U	
Bromomethane	<100	<10 U	<10 U	<del></del> -
Vinyl chloride	<10 U	< 10 U	<10 U	
Chloroethana	<100	<10 U	<10 U	
Methylene chloride	<10 U	<5 U	22	
Acetone	<100	<10 U	<10 U	
Carbon disulfide	<10 U	<5 U	3 J	
1,1-Dichloroethene	<10 U	<6U	<5U	
1,1-Dichloroethane	<10 U	<5 U	<5 U	
1,2-Dichloroethene	<10 U	<6U	<6U	
Chloroform	<10 U	<5 U	<5 U	
1,2-Dichloroethene	<10.U	≪BU	<5∪	
2-Butanone	<10 U	<10 U	<10 U	
1,1,1-Trichloroethane	<10∪	<5U	<5U	
Carbon tetrachloride	<10 U	<5 U	<5 U	
Vinyl acetate	<u></u> -	<10 ป	<10 U	
Bromodichloromethane	<10 U	<5 U	<5 U	
1,2-Dichloropropane	<10 U	<6U	<5U	-11-
cis-1,3-Dichloropropene	<10 U	<5 U	<5 U	
Trichloroethene	<10∪	<5U	<5 U	
Dibromochloromethane	<10 U	<5 U	<5 U	***
1,1,2-Trichloroethane	<10∪	<6U	<5U	
Benzene	<10 U	<5 U	<5 U	
trans:1,3-Dichloropropene	<10 ∪	<5U	<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	m
Tetrachloroethene	<10 U	<6U	<5.U	
1,1,2,2-Tetrachloroethane	<10 U	<5 U	<5 U	===
Taluene	<10 U	<5U	<5.U	
Chlorobenzene	<10 U	<5 U	<5 U	###
Ethylbenzene	<10 U	<6U	<5 U	
Styrene	<10 U	<5 U	<5 U	
Xylene (total)	<100	<5U	<5 U	

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

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SIT Saa	TE D-03 AMPLE ID D-3	D-04 D-4		D-04E EEN D-4 D-4E
CONSTITUENT (Units in ug/l) DA	ATE 10/2	0/93 05/2	3/30 08/15/3	01/09/91
1,3-Dichlorobenzene 1,4-Dichlorobenzene	<10 <10			
1,2-Dichlorobenzene	<10		*************	2012-11-11-11-11-11-11-11-11-11-11-11-11-1
√alues represent total concentrations unles	s noted <=Not detec	ted at indicated repo	ting limit=Not ana	ilyzed
For RCL 8240				

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SIT		D-04E	D-04E	D-05
	MPLE ID D4E-1(		EPA Sample	D-5
CONSTITUENT (Units in ug/l) DA'	TE 05/30/	91 09/25/91	01/16/92	05/28/90
Chloromethane			<1	<10 U
Stomomethene			<1	<10 U
/inyl chloride	***		<1	<10 U
Phloroetharie	<del></del>	- <del></del>	<1	<10 U
Aethylene chloride	***		<1	<5 U
Acetone	***		<5J	<10 U
Carbon disulfide			<5 J	<5 U
,1-Dichloroethene			<1	<6U
,1-Dichloroethane			<1	<5 U
,2-Dichloroethene		<del></del>	<u></u> -	<5 U
Chloroform			<1	(S) J
,2-Dichloroethane			<1	<5U
-Butanone			<1	<10 U
,1,1-Trichloroethane			<1	<5.U
arbon tetrachloride			<1	<5 U
inyl acetate				<10 U
romodichloromethane			<1	<5 U
2-Dichloropropana			<1	<5 U
s-1,3-Dichloropropene			<1	<5 U
richloroethene			<1	<5 U
ibromochloromethane	Mus-		<1	<5 U
,1,2-Trichloroethane			<1	<5 U
enzene			<1	<5 U
ens-1,3-Dichloropropene				<5U
romoform			<1 J	<6 U
Methyl-2-pentanone		++ <b>+</b>	<1	<10 U
-Hexanone			<1	<10 U
etrachloroethane				<5U
,1,2,2-Tetrachloroethane	pas		<1	<5 U
bluene			<1	.8
hlorobenzene			<1	<5 U
hylbenzerie		<del></del>	<1	4
tyrene			<1	<5 U
ylene (total)	***	general control of the control of th	<1	17

() = Less than Detection Limit

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Date: 02/07/96

	SITE SAMPLE ID DATE	D-04E D4E-1010 05/30/91 <10 U <10/U	D:04E D4E-925 09/25/91 <10 U	D:04E EPA:Sample 01/16/92 <8#	D-05 D-5 05/28/90 <10 U
ONSTITUENT (Unite in ug/l) 3-Dichlorobenzene		05/30/91 <10 U	09/25/91 <10 U	01/16/92	05/28/90
				<8#	<10 U
M. PRICE LEGICAL CONTROL CONTR		<10 U	\$&\\$\$&\$		
2-Dichlorobenzene		<10 U	<10 U <10 U	<8# <8#	<10 U <10 U
				,	
		_	-		
lues represent total concentrations unl -Constituent in more than one test me			licated reporting lim	it=Not analyzed	

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Date: 02/07/96

SITE	D-05	D-05	D-05	D-05
SAM	IPLE ID ABERDEEN DA	5 D-5	D6-1130	EPA Sample
CONSTITUENT (Units in ug/l) DAT	E 08/15/90	01/09/91	05/30/91	01/16/92
Chloromethane	<10 U			<1
Bromomathane	<10 U	<u>-</u> -		<1
Vinyl chloride	<10 U	***		<1
Chloroethana	<10 U			1
Methylene chloride	55			<1
Acetone	<10 U			<3J
Carbon disulfide	<6 U			<1 J
1,1-Dichloroethene	<5 U			<1
1,1-Dichloroethane	<5 U			(0.3) J
1,2-Dichioroethene	<5U			
Chloroform	<5 U	***		<1
1,2-Dichloroethane	<5U			<1
2-Butanone	<10 U			<1
1, 1, 1 - Trichlordethane	<5U			<1
Carbon tetrachloride	<5 U			<1
Jinyl acetate	<10 U			
Bromodichloromethane	<5 U	===		<1
1,2-Dichloropropana	<5 U			<1
cis-1,3-Dichloropropene	<5 U			<1
Frichloroethene	<5 U			<1
Dibromochloromethane	<5 U	to the first of th		<1
l, 1,2-Trichloroethane	<6 U			<1
3enzene	<5 U			<1
rans-1,3-Dichloropropene	<5 U			
3romoform	<5 U			<1
4-Methyl-2-pentanone	<10.U	F#F	***	<1
2-Hexanone	<10 U			<1
l'etrachioroethene	< 5 U			***
1,1,2,2-Tetrachloroethane	<5 U	<del></del>	Here we have a second control of the second	<1
Foluene	8	-		11
Chlorobenzene	<5 U			<1
thylbenzene	3 J			1
Styrene	<5 U			<1
(ylene (fotal)	14			6
/alues represent total concentrations unless i		icated reporting limit	- Not analyzed	

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

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, 				
SITE SAMPL CONSTITUENT (Units in ug/l) DATE	D-05 E ID ABERDEEN D-5 06/15/90	D-06 D-5 01/09/91	D:05 D6-1130 05/30/91	D:05 EPA Sample 01/16/92
1,3-Dichlorobenzene	<20 U	<10 U	<10 U	<1#
1:4-Dichlorobenzene 1,2-Dichlorobenzene	<20 U <20 ∪	<10 U <10 U	<10 U <10 U	<1# <1#
17-2-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	123.0	7100	7.00	
Values represent total concentrations unless not	ad < - Not detected at indic	ated reporting limit	Not analyzed	
#=Constituent in more than one test method, hi		acoa raporung minit	140t atlati\200	
For RCL 8240				

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Date: 02/07/96

(T)						
Kylene (total)			+++			***
Styrene				===		
thylbenzene						
Chlorobenzene						<del></del>
Foluene				===		<del></del>
1,1,2,2-Tetrachloro	athane				<del></del>	
Tetrachloroethene						
4-Mexanone 2-Hexanone					<del></del>	
Bromoform 4-Methyl-2-pentano	ne				<del></del>	
rans-1,3-Dichloropi Bromoform	opene			-	-	-
Benzene						
1,1,2-Trichloroetha -	ne					
Dibromochlorometh						
Trichloroethene				+11		
cis-1,3-Dichloroprop	) ene					
1, 2-Dichloropropan	ı		***	<del></del>		-
Bromodichlorometh	ane					
Vinyl acetate						-
Carbon tetrachlorid						<del></del>
1,1,1-Trichloroetha	าย					-
2-Butanone			***			
Chioroform 1,2-Dichloroethane			<del></del>			
i, z-Dichiorostnens Chloroform				<del></del>	<del></del>	
1,1-Dichloroethane 1,2-Dichloroethene						
1,1-Dichloroethene						<del></del>
Carbon disulfide	000000000000000000000000000000000000000			****	***	***
Acetone			***			
Methylene chloride	,					#4 <b>4</b>
Chlorosthane					<u></u>	-
Vinyl chloride		ere en encontractoristation contractoristic (2,000)				
Bromomethane					<del></del>	
Chloromethane						
				21,00001	20,000	
CONSTITUENT	(Units in ug/l)	DATE	09/13/90	01/09/91	05/30/91	09/25/91
		SAMPLE ID	D-08 D-6	D-06	D6-1745	D6-926
		SITE	D-06	D-06	D-06	D-06

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SITE SAMPL		D-06 D-6	D-06 D6-1145	D-06 D6-925
CONSTITUENT (Units in ug/l) DATE	09/13/90	01/09/91	05/30/91	09/25/91
1,3-Dichlorobenzene 1,4-Dichlorobenzene	<10 U <10 U	<10 U <10 U	<10 U <10 U	<10 U <10 U
1,2-Dichlorobenzene	<10 ∪	<10 U	<10 U	<10 U
Values represent total concentrations unless not	ed <=Not detected at indi	cated reporting limit	=Not englyred	
	- Not detected at mai	outourieporting milit	— IVOL AHAIY26U	
For RCL 8240				

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Date: 02/07/96

		SITE	D-06	D-06	D-07	D:07
		SAMPLE ID	D-6	EPA Sample	D-7	D7-1105
CONSTITUENT	(Units in ug/l)	DATE	01/16/92	01/16/92	09/13/90	05/30/91
Chioromethane			<10 U	<1		
Bromomethane			<10 U	<1		
Vinyl chloride			<10 U	<1		
Chloroethane			<10 U	<1		-
Methylene chlorid	<b>6</b>		<10 U	<1		
Acetone			<10 U	<2 J		
Carbon disulfide			<10 U	<5 J		
1,1-Dichloroethen			<10 U	<1		
1,1-Dichloroethan			<10 U	<1		
1,2-Dichloroethen	0		<100	. 4	<del></del>	
Chloroform			<10 U	<1		
1,2-Dichloroethan	6		<10 U	<1	<del></del>	<del></del>
2-Butanone			<10 U	<1		
1,1,1-Trichloroeth	\$54,646,946,946,000,000,940,000,000,000,000,000,000,000		<10U	<1	<del></del>	<del></del>
Carbon tetrachlorio Vinyl acetate	08		<10 U	<1		
Bromodichloromet	hana		<10 U	< 1		
1,2-Dichloropropar			<100	<1		
cis-1,3-Dichloropro	****************		<10 U	< 1		
Trichloroethene	spone		<10.U	<1		
Dibromochloromet	hana		<10 U	<1		
1,1,2-Trichloroethi			<10.U	<1		
Benzene			<10 U	<1		
trans-1,3-Dichlorop	propene		<10 U	-		
Bromoform			<10 U	<1 J		de saleste
4:Methyl-2-pentan	ione		<10 U	<1		
2-Hexanone		***************************************	<10 U	<1		
Tetrachloroethene			<10 U			
1,1,2,2-Tetrachlor			<10 U	<1		
Taluene			<10 U	<1		
Chlorobenzene			<10 U	<1	###	69-14-14-1
Ethylbenzene			<10 U	<1		
Styrene			<10 U	<1	***	Primer Children and Constitution of Constituti
Xylane (total)			<10 U	<1		
Values represent to	otal apparettations u			ligated reporting liv	wit — Not analyzad	

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

Table 2

Weyco Aberdeen

Page: 2N of 2R

Date: 02/07/96

		SITE SAMPLE ID	D-06 D-6	D-06 EPA Sa	D-0 mple D-7	7	D-07 D7-1105	
CONSTITUENT (	Units in ug/l)	DATE	01/16/92	01/16/9	12 09/	13/90	05/30/91	
1,3-Dichlorobenzene	)			<1#	< 1	O U	<11 U	
1,4-Dichlorobenzene	\$5.50 \$1.50 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1			<1#	<11	20.700.00.00.00.00.00.00.00.00.00.00.00.0	<11 U	
1,2-Dichlorobenzene				<1#	<10	U	<11 U	
								200000000
		-						
Values represent tota				indicated reportir	g limit=Not	analyzed		
#=Constituent in mo	ore than one test m	ethod, highest re	sult reported.					

Page: 10 of 2R Date: 02/07/96

SIT.	E D-07	D-07	D-08	D-08
SA	MPLEID D7-92	5 EPA Sample	D-8	8-0
CONSTITUENT (Units in ug/l) DA	TE 09/25	91 01/16/92	09/13/90	01/09/91
Chloromethane		<1		
Bromomethane	<del></del>	<1		<del></del>
Vinyl chloride Chlorosthene		<1 (0.4) J	<del></del>	<del></del>
Methylene chloride		<5		
Acetone	***	<4J	414	
Carbon disulfide		<5 J		
1,1-Dichloroethene		<1		<del></del>
1,1-Dichloroethane		<1		
1,2-Dichloroethene		<del></del> -		<u></u>
Chloroform		<1	EFG	
1,2-Dichloroethane		<1		
2-Butanone		<5	wes.	
1/1/1-Trichloroethane		<1		<del></del>
Carbon tetrachloride		<1		
Vinyl acetate				<del></del>
Bromodichloromethane		<1		
1,2-Dichloropropane		<1	444	
cls-1,3-Dichloropropene		<1		
Trichlorgathene	<del></del>	<1 -1	<del></del> -	<del></del>
Dibromochloromethane  1,1,2-Trichloroethane		<1 ≪1	<del></del>	
e, e, e, e richioroetharie Benzene		<b>≲</b> 1		
trans-1,3-Dichloropropene		7		
Bromoform		<1		
		<1		
2-Hexanone		<1		
Tetrachloroethene		-		
1,1,2,2-Tetrachloroethane		<1		
Taluene		<1		<u></u> -
Chlorobenzene		<1	****	graphs.
Ethylpenzane		<b>&lt;</b> 1		
Styrene		<1	ماه ماه ماه ماه ماه ماه ماه ماه ماه ماه	
Xylene (total)		<1	+	4-1
Values represent total concentrations unless	noted <=Not detecte	d at indicated reporting li	nit=Not analyzed	

() = Less than Detection Limit

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sn sA	TE D-07 MPLE ID D7-926	D-07 EPA Sample	D-08 D-8	D-08 D-8
CONSTITUENT (Units in ug/l) DA	09/25/ <sup>1</sup>		09/13/90	01/09/91
1,3-Dichlorobenzene	<10 U		<10 U	<10 U
1,4-Dichlorobenzene 1,2-Dichlorobenzene	<10 U <10 U	entranta en en en en en en en en en en en en en	<10 U <10 U	<10 U <10 U
l 				
-				
Values represent total concentrations unless #= Constituent in more than one test metho			mit = Not analyzed	
For RCL 8240	·			

Page: 1P of 2R Date: 02/07/96

Color True True Units Bright DATE   Octoon   Oct	sı	TE D-08	D-08	D-08	D-09
Chloromethane	8.7	AMPLEID D8-1030	D8-925	EPA Sample	D-9
	CONSTITUENT (Units in ug/l) DA	ATE 05/30/91	09/25/91	01/16/92	09/13/90
Annix chloride	Chloromethane				***
Common	Bromomethane			<1	
Motival   Moti	Vinyl chloride		<b>#==</b>		
1.1   1.1   1.2   1.2   1.3					
Carbon disulfide					
1 Dichlorootherie	Acetone	-+			
1. Dichloropthane					
2-Dictororm			<u></u>		- <del></del> -
Chloroform				<1	
2-Bickloresthane	\$58\$		<del></del>		<del></del>
2.   Sutanone		·			
3.1-Tribilization		<del></del> -		-	**-
Carbon tetrachloride		<del></del>			<del></del>
Amount   A				Anna California de Caracteria de California	
Commodichloromethane				7	
2-Dichloropropana	***************************************			<1	and the
Sist   1,3-Dichloropropene			4++	2000 Brown (1000 Brown (2000 Brown (2000 Brown (2000 Brown (2000 Brown (2000 Brown (2000 Brown (2000 Brown (200	
	\$54,000\$ 000\$ 0.00\$ (\$54,000\$ 000 000 000 000 000 000 000 000 00			***************************************	
1,2-Trichigroethane	Trichlorogthene				
Serzene	Dibromochloromethane		<del></del>	000,000 000 000 000 000 000 000 000 000	
### ##################################	1,1,2-Trichloroethane			<1	
Stromoform	Benzene		<del></del> -	<1	
	trans-1,3-Dichloropropene	<del></del>			
< 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 < <	Bromoform			<1	
atrachioroethane	4-Mathyl-2-pentanone			<1	
,1,2,2-Tetrachloroethane         <1	2-Hexanone			<1	
Column	Tetrachloroethane				
Chlorobenzene <1 <1  thylbenzene <1 <1  Styrene <1 <1 <1  Cylene (fotal) <1 <1 <1 < < <	1,1,2,2-Tetrachloroethane		<del>===</del>	<1	<del></del>
Cthylbenzene	Taluene		<u></u> -	<1	-
Styrene <1 <1 <1 <1	Chlorobenzene	<b></b>		<1	
(Viene (total) <1 <1 <1 <1 <1 <1 <	Ethylbanzana			<1	<del></del>
/alues represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed	Styrene			<1	
	Xylene (fotal)			<1	
=Less than Detection Limit	Values represent total concentrations unles	s noted <=Not detected at	indicated reporting limit	= Not analyzed	
	() =Less than Detection Limit				

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Date: 02/07/96

	SITE SAMPLE ID	D-08 D8-1030	D-08 D8-925	D-08 EPA Sample	D-09 D-9
CONSTITUENT (Units in ug/l)	DATE	05/30/91	09/25/91	01/16/92	09/13/90
1,3-Dichlorobenzene		<10 U	<10 U	<7#	<10 U
1,4:Dichlorobenzene 1,2-Dichlorobenzene		<10 U <10 U	<10 U <10 U	<7# <7#	<10 U <10 U
,,				177	
Values represent total concentratio	ens unless noted <=	Not detected at indic	ated reporting limit	=Not analyzed	
#=Constituent in more than one to	est method, highest res	sult reported.			

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SITE	D-09	p-09	D-09	PURGEWATER
SAMPLE I	D D-9	D9-0945	D9-925	DRUM SAMPLE
CONSTITUENT (Units in ug/l) DATE	01/09/91	05/30/91	09/25/91	05/25/90
Chloromethane		***		<10 U
Bromomethane	<del></del> -	- <u>-</u> -	<del>-</del>	<10 U
Vinyl chloride		ben		<10 U
Chloroethane				7.0
Methylene chloride			•••	<6 U
Acetone		2		<10 U
Carbon disulfide				<5 U
1,1-Dichloroethene				<5U
1,1-Dichloroethane				<5 U
1,2-Dichloroethene			<del></del>	<5 U
Chloroform				4 J
1,2:Dichloroethane				<5 U
2-Butanone				<10 U
1,1,1-Trichloroethane				<6 U
Carbon tetrachloride				<5 U
Vinyl acetate	-	<del></del>		<10 U
Bromodichloromethane				<5 U
1,2-Dichloropropane				<5.U
cis-1,3-Dichloropropene		<del></del>		<5 U
Trichloraethene				<5U
Dibromochloromethane				<5 U
1,1,2-Trichlorgethane			-	<5U
Benzene				<5 U
trans-1,3-Dichloropropene			-	<5U
Bromoform				<5 U <10 U
4:Methyl:2:pentanone	- <del></del>	<del></del>	<del></del>	1.
2-Hexanone				<10 U
Tetrachloroethene	***			<5U
1,1,2,2-Tetrachloroethane			<del></del>	<5 U
Toluene	-			4 J <5 U
Chlorobenzene				<5U
Ethylbenzene Sturana	***			<5 U
Styrene XXXX XXXX	<del></del>		<del></del>	4 J
Xylene (total)	المستعدد المراها الما	diament of the second	A Blog	# U
Values represent total concentrations unless noted	<pre>&lt; = Not detected at in</pre>	alcated reporting limi	t = Not analyzed	

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SITE SAMPLE	D-09 FID D-9	D-09 D9-0945	D-09 D9-925	PURGEWATER DRUM SAMPLE
CONSTITUENT (Units in ug/l) DATE	01/09/91	05/30/91	09/25/91	05/25/90
1,3-Dichlorobenzene	<10 U	<10 U	<10 U	<10 U
1,4-Dichlorobenzene	<10 U	<10 U	<10 U	<10 U
1,2-Dichlorobenzene	<10 U	<10 U	<10 U	<10 U
1				
Values represent total concentrations units and	Mot detected at !→!	nated concerns limit	- Mot and -	
Values represent total concentrations unless note	od ✓=IAor defected at ludio	saran tahorung mur	= Not analyzed	
For RCL 8240				

Page: 1R of 2R Date: 02/07/96

SITE	PURGEWATER
SAMPLEID	PURGEWATER
CONSTITUENT: (Units in:ug/l) DATE	12/18/91
and the state of t	
Chloromethane	<10 U <10 U
Bromomethane	
Vinyl chloride Chloroethane	<10 U
	(S) J
Methylene chloride	(3) J
Acetone	<10:U
Carbon disulfide	<10 U
1.1-Dichlorouthene	<10 U <10 U
1,1-Dichloroethane 1,2-Dichloroethane	<10.0 <10.0
Chloroform	<10 U
1,2-Dichloroethane	<10.U
2-Butanone	<10 U
1,1,1-Trichlorgethane	<10:U
Carbon tetrachloride	<10 U
Vinyl acetate	
Bromodichloromethane	<10 U
1,2-Dichloropropana	<10.U
cis-1,3-Dichloropropene	<10 U
Trichloroethene	<10:U
Dibromochloromethane	<10 U
1;1,2-Trichloroethane	<10·U
Benzene	<10 U
trans-1,3-Dichloropropene	<10 <sup>:U</sup>
Bromoform	<10 U
4-Methyl-2-pentanone	<10:U
2-Нехапопе	<10 U
Tetrachloroathana	<10U
1,1,2,2-Tetrachloroethane	<10 U
Taluene	[8]:J
Chlorobenzene	<10 U
Ethylbenzene	<10 <sup>:</sup> 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

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SITE PURGEWATER SAMPLE ID PURGEWATER
CONSTITUENT (Units in ug/l) DATE 12/18/91
1,3-Dichlorobenzene
1:4-Dichlorobenzene
1,2-Dichlorobenzene
Values represent total concentrations unless noted <= Not detected at indicated reporting limit= Not analyzed
For RCL 8240

Semi-volatiles

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Date: 02/07/96

		~		***************************************
SITE	D-01	D-01	D-01	D-01
SAMPLEID	WELL D-1	ABERDEEN D-1	D-1	D-1 9-25 1230
CONSTITUENT (Units in ug/l) DATE	05/25/90	08/15/90	05/30/91	09/25/91
Phenol	<10 U	<20 U	<10 U	<10 U
bie(2-Chloroethyl) ether	<10 U	<20 U	<100	<10 U
2-Chlorophenol	<10 U	<20 U	<10 U	<10 U
1,3-Dichlorobenzene	<10 U	<20 U	<10U	<10 U
1,4-Dichlorobenzene	<10 U	<20 U	<10 U	<10 U
Benzyl alcohol	<10 U	<20 U	<10U	<10 U
1,2-Dichlorobenzene	<10 U	<20 U	<10 U	<10 U
2-Methylpheriol	<100	<20 ∪	<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	<100	<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	<62 U
2-Chloronaphthalene	<10 U	<20 U	<10 U	<10 U
2-Nitroaniline	<52U	<100 U	<52 U	<52 U
Dimethyl phthalate	<10 U	<20 U	<10 U	<10 U
Acenaphthylene	<10 U	<20 ∪	<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 ---=Net analyzed

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SITE SAMPL	D-01 WELL D-1	D+01 ABERDEEN D+1	D-01 D-1	D-01 D-1 9-25 123
CONSTITUENT (Units in ug/l) DATE	05/25/90	08/15/90	05/30/91	09/25/91
cenaphthene	<10 U	<20 U	<10 U	<10 U
4-Dinitrophenol	<52 U	<100 U	<52 U	< 52 U
-Nitrophenol	<52 U	<100 U	<52 U	<52 U
ibenzofuren	<10 U	<20 U	<10 U	<10 U
,4-Dinitrotoluene	<10 U	<20 U	<10 U	<10 U
ethyl phthalate	<10 U	<20 U	<10 U	<10 U
Chlorophenyl phenyl ether	<10 U	<20 U	<10 U	<10 U
Jorane	<10 U	<20 U	<10 U	<10.0
Nitroaniline	<52 U	<100 U	<52 U	<52 U
6-Dinitro-2-methylphenol	<62 ∪	<100 U	<52 U	<62 U
Nitrosodiphenylamin <del>e</del>	<10 U	<20 U	<10 U	< 10 U
Bromophenyl phenyl ether	<10 U	<20 ∪	<10 U	<10 U
exachlorobenzene	<10 U	<20 U	<10 U	< 10 U
intachlorophenol	<52 U	<200 U	<52 U	<52 U
enanthrene	<10 U	<20 U	<10 U	<10 U
nthracene	<10 U	<20 ∪	<10 U	<10.0
arbazole				****
n-butyl phthalate	<10.0	<20 U	<10 U	<10 U
uoranthene	<10 U	<20 U	<10 U	<10 U
rena	<10.0	<20 U	<10 U	<10 U
ityl benzyl phthalate	<10 U	<20 U	<10 U	<10 U
31-Dichlorobenzidine	<21 U	<40 U	<21 U	<21 U
enzo(a) anthracene	<10 U	<20 U	<10 U	<10 U
nrysene	<10U	<20 ∪	<10 U	<10 U
s(2-Ethylhexyl) phthalate	< 10 U	<20 U	<10 U	<10 U
-n-octyl phthalate	<10 U	<20 U	<10 U	<10 U
enzo(b)fluoranthene	<10 U	<20 U	<10 U	<10 U
nzo(k)fluorenthene	<10 U	<20 U	<10 U	<10 U
nzo(a)pyrene	<10 U	<20 U	<10 U	< 10 U
deno(1,2,3-od)pyrene	<10 U	<20 U	<10 U	<10 U
benzo(a,h)anthracene	<10 U	<20 U	<10 U	<10 U
mzo(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

Page: 1B of 2U Date: 02/07/96

		·		
SITE	D-01	D-01	D-01	D-01
SAMPLE ID	EPA Sample	D-1	D-1.	D-1
CONSTITUENT (Units in ug/l) DATE	01/16/92	07/14/92	10/27/92	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
Senzyl 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-methylethyl) ether	***	<11 U	<10 U	<10 U
4-Methylphenol	<1	<11U	<10 U	<10 U
N-Nitrosodipropylamine	<1 J	<11 U	<10 U	<10 U
Hexachloroethane	<1	<11 U	<10.0	<10 U
Nitrobenzene	<1	<11 U	<10 U	<10 U
Isopharone	<1J	<11 U	<10 U	<10 U
2-Nitrophenol	<3	<11 U	<10 U	<10 U
2,4-Dimethylphenol	<1	<11 U	<10∪	<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∪	<10 U
Naphthalene	< 1#	<11 U	<10 U	<10 U
4-Chloroaniline	<16 J	<11 U	<10 ⊍	<10 U
Hexachlorobutadiene	< 3#	<11 U	<10 U	<10 U
4-Chioro-3-methylphenol	<6	<11 U	<10 U	<10 U
2-Methylnaphthalene	< 1	<11 U	<10 U	<10 U
Hexachlorocyclopentadiana	<6	<11.0	<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	<3J	<28 U	<26 U	<26 U
Dimethyl phthalate	<1	<11 U	<10 U	<10 U
Acenephthylene	<1	<11 U	<10 U	<10 U
2,6-Dinitrotoluene	<3	<11 U	<10 U	<10 U
3-Nitroaniline	<16J	<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.

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Date: 02/07/96

SITE	D-01	D-01	D-01	D-01
SAMPLE		D-1	D-1	D-1
CONSTITUENT (Units in ug/l) 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
l-Nitrophenol	<8	<28 U	<26 U	<26 U
Mbenzofuren	<1	411 U	<10 U	<10 U
2,4-Dinitrotoluene	<3 <1	<11 U	<10 U	<10 U
Diethyl phthalate		<11 U	<10 U	<10.0
-Chlorophenyl phenyl ether	<1	<11 U	<10 U	<10 U
luorana	<1	<11U	<10 U	<10.U
Nitroaniline	<16	<28 U	<26 U	<26 U
6-Dinitro-2-methylphenol	<b>₹16</b>	<28 U	<26 U	<26.U
l-Nitrosodiphenylamine	<16 J	<11 U	<10 U	<10 U
-Bromophenyl phenyl ether	<1 -1	<11 U	<10 U	<10.0
lexachlorobenzene	<1	<11 U	<10 U	<10 U
(sntechlorophene)	<0.03#	<28 U	<26 U	<26 U
henanthrene	<1 <1	<11 U	<10 U	<10 U
inthracene Carbazole	<6J	<11 U	<10 U	<10 U
·	A(A) ( )	<11 U	<10 U	<10 U
Pin-butyl phthalate	<1 -1	<11 U	<10.0	<10 U
luoranthene	<1	<11 U	<10 U	<10 U <10 U
Vrene	<1 40	<11 U	<10 U	
utyl benzyl phthalate	<3	<11 U	<10 U	<10 U
3;3'-Dichlorobenzidine	<32	<11 U	<10.0	<20 U
enzo(a)anthracene	<1	<11 U	<10 U	<10 U
Phrysene	<1 42	<11 U	<10 U	<10 U
is(2-Ethylhexyl) phthalate N-n-octyl phthalate	<2	<11 U	<10 U	<10 U
	<1.J	<11U	<10.0	<10 U
enzo(b)fluoranthene	<1 J	<11 U	<10 U	<10 U
enzo(k)fluorenthene	<1 J	<11 U	<10 U	<10 U
enzo(a)pyrene	<1 J	<11 U	<10 U	<10 U
ideno(1,2,3-cd/pyrene	<1 J	<11.0	<10 U	<10 U
Dibenzo(a,h)anthracene	<3 J	<11 U	< 10 U	<10 U
lenza(g,h,l)perylene	<1J	<110	<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

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Date: 02/07/96

Selector   Selector					
CONSTITUENT   Units   Ligg    DATE   D5/12/33   Q7/16/95   10/20/25   05/20/5	SITE	D-01	D-01	D-01	D-02
Single	SAM	PLEID D-1	P-1	D-1	WELL D-2
Sign   Complete   Sign   Sig	CONSTITUENT (Units in ug/l) DATI	E 05/12/93	07/16/93	10/20/93	05/25/90
Sign   Complete   Sign   Sig					
Comment   Comm	Phenol	<12 U	<20 U		<10 U
1.3-Diction between	bis(2-Chloroethyl) ether	<12 U	<20 U		<10 U
A-Dichlorobenzene	2-Chlorophenol	<12 U	<20 U		
Semant  alcohol   Semant  Se	1,3-Dichlorobenzene	<12#∪	<10#U	<10 U	<10U
1,2-Dichlorobenzene	1,4-Dichlorobenzene	<12# U	<10# U	<10 U	
Company   Comp	Benzyl alcohol		<del></del> -		<10 U
Second   S	1,2-Dichlorobenzene	<12# U		<10 U	
Michypherot	2-Methylphenol	<12 U	<20 U		<100
Valitrosodipropylamina	Bis(2-chloro-1-methylethyl) ether				
Agrach    Agra			<20 U		**************
Comparis   Comparis	N-Nitrosodipropylamine				
September   Sept	Hexachloroethane	<12 U	<20 ∪		<10 U
C-Nitrophenol   C-12 U   C-20 U   C-1	Vitrobenzene		**************************		
Separative   Sep	sophorone	<12 U	51.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	<u>-</u>	
Senzoic acid         4	2-Nitrophenol		A		
Sis(2-chloroethoxy) methane		<12 U	≼20 U		:00.000.000.0000.0000.0000.0000.0000.0
2,4-Dichlorophenol	3enzoic acid				
2,4-Trichlorobenzene	Bis(2-chloroethoxy) methane	***************************************	<20 U		
Saphthalene	2,4-Dichlorophenol				
Chloroaniline   Chloroanilin	,2,4-Trichlorobenzene				
Hexachlorobutadiene	Naphthalene	·			
Chloro-3-methylphanol   Chlo				<del></del>	
C-Methylnaphthalene					
Instruction   Instruction			<20 U		00.0000.0000.0000.0000.0000.0000.0000.0000
2,4,6-Trichlorophenol       <12 U					
.4.5-Trichlorophenol       <31 U	***************************************		****************		*******************
2-Chloronaphthalene       <12 U				***	
SNitroaniline       <31 U		× · · · · · · · · · · · · · · · · · · ·	<50 U		
Dimethyl phthalate       <12 U	2-Chloronaphthalene				
scenephthylene <12.U <20.U ← <10.U 1,6-Dinitrotoluene <12.U <20.U <10.U	2:Nitroaniline				550 500 500 500 500 500 500 500 500 500
,6-Dinitrotoluene <12 U <20 U <10 U	Dimethyl phthalate				
	Acenephthylene		<20 U		
-Nitroaniline <31 U <50 U <51 U	2,6-Dinitrotoluene				
	3-Nitroanilina	<31 U	<50 U	-	<61 U

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#= Constituent in more than one test method, highest result reported.

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SITE	D-01	D-01	D-01	D-02
SAMPLEID	D-1	D-1	D-1	WELL D-2
CONSTITUENT (Units in ug/l) DATE	05/12/93	07/15/93	10/20/93	05/25/90
Acenaphthene	<12 U	<20 U	шее	<10 U
2,4-Dinitrophenol	<81∪	<50 U		<51 U
4-Nitrophenol	<31 U	<50 U	***	190
Dibenzofuren	<12 U	<20 U		<10 U
2,4-Dinitrotoluene	<12 U	<20 U		<10 U
Diethyl phthalate	<12U	<20 ∪	444	<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-Bromaphenyl phenyl ether	<12∪	<20 U		<10 U
Hexachlorobenzene	<12 U	<20 U		<10 U
Pentachlorophenal	<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	<12U	<20 U	444	<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∪	<20 U	<u></u> -	<20 U
Benzo(a)anthracene	<12 U	<20 U		<10 U
Chrysene	<12∪	<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	was.	<10 U
Benzo(k)fluorenthene	<12 U	<20 U	-	<10 V
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;l)perylene	<12 U	<20 U		<10 U

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

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SITE	D-02	D-02	D-02	D-02
SAMPLE ID	ABERDEEN D		D-2	D-2 9-25 1000
CONSTITUENT (Unite in ug/l) DATE	08/15/90	01/09/91	05/30/91	09/25/91
St. J.	400 !!	444.11	440.11	440.0
Phenol	< 20 U < 20 U	<11 U <11 U	<10 U <10 U	<10 U <10 U
b)s(2-Chloroethyl) ether	<20 U	<11 U	<10 U	<10 U
2-Chlorophenol 1,3-Dichloropenzene	<20 U	<11 U	<10 U	<10 U
1,4-Dichlorobenzene	<20 U	<11 U	<10 U	<10 U
Benzyl algohol	<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) J	<10U
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
laophorone	<20 U	<11 U	<10 U	<10 ∪
2-Nitrophenol	< 20 U	<11 U	<10 U	<10 U
2,4-Dimethylphenol	<20 U	<11 U	<10 U	<10 U
Benzoic sold	<100 U	<53 U	< 52 U	<51 U
Bis(2-chloroethoxy) methane	<20 U	<11U	<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-Chioro:3-methylphenol	<20 U	<11 U	<10 U	<10 U
2-Methylnaphthalene	<20 U	<11 U	< 10 U	<10 U
Hexachlorecyclopentadiene	<20 U	<11 ∪	<10 U	<10 U
2,4,6-Trichlorophenol	<20 U	<11 U	<10 U	<10 U
2,4,5-Trichlorophenol	<100 U	<53 U	< 62 U	<61 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
Acenephthylene	<20 U	<11 U	<100	<10 U
2,6-Dinitrotoluene	<20 U	<11 U	<10 U	<10 U
3:Nitroaniline	<100 U	<53 U	<52 U	<61 U

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() = Less than Detection Limit

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Date: 02/07/96

	SITE	D-02	D-02	D+02	D-02
	SAMPLE ID	ABERDEEN D-2	D-2	D-2	D-2 9-25 1000
CONSTITUENT (Units in ug/l)	DATE	08/15/90	01/09/91	05/30/91	09/25/91
Acenaphthene		<20 U	<11 U	<10 U	<10 U
2,4-Dinitrophenal		<100 U	<53 U	<52 U	<51 U
4-Nitrophenol		<100 U	<53 U	<52 U	<51 U
Dibanzoturan		<20 U	<110	<10U	<10 U
2,4-Dinitrotoluene		<20 U	<11 U	<10 U	<10 U
Diethyl phthelate		<20 U	<11 U	<100	<10 Ü
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-Dintro-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∪	<11 U	<10 U	<10 U
dexachlorobenzene		<20 U	<11 U	<10 U	<10 U
Pentechlorophenol		<100 U	<53 U	<62 U	<61 U
Phenanthrene		<20 U	<11 U	<10 U	<10 U
Anthracene		<20 U	<11 U	<10 U	<10 ∪
Carbazole					
2i-n-butyl phthalata		<20 U	<11 U	<10 U	<10 U
luoranthene		<20 U	<11 U	<10 U	<10 U
<sup>3</sup> yrene		<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
Shrysene		<20 U	<11 U	<10 U	<10 U
is(2-Ethylhexyl) phthalate		<20 U	<11 U	<10 U	<10 U
Ji-n-octyl phthalate		<20 U	<11 U	<10 U	<10 U
Benzo(b)fluoranthene		<20 U	<11 U	<10 U	<10 U
lenzo(k)fluorenthene		<20 U	<11U	<10 U	<10 U
Benzo(a)pyrene		< 20 U	<11 U	<10 U	<10 U
ndeno(1,2,3-cd)pyrene		<20 U	<1110	<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

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2-Chlorophenol					
Pheno	SITE	D-02	D+02	D-02	D-02
Phenol	SAMPLI	EID EPA Sample	D-2	D-2	D-2
Single   S	CONSTITUENT (Units in ug/l) DATE	01/16/92	07/14/92	10/27/92	02/03/93
Single   S					
2-Chlorophenol	Phenol	<1	<10 U	<10 U	< 10 U
1,3-pichlorobenzene	bis(2-Chloroethyl) ether	<1	<10 U	<10 U	<10 U
1,4-Dichlorobenzene	2-Chlorophenol	<1	<10 U	<10 U	<10 U
Barry   Barr	1,3-Dichlorobenzene	<1#	<10 ∪	<10 U	<10 U
1,2-Diohlorobenzene         <1#	1,4-Dichlorobenzene	<1#	<10 U	<10 U	<10 U
2 Methylphenol	Banzyl alcohol	<27			<del></del>
Sist(2-chloro-1-methylethyl) ether	1,2-Dichlorobenzene	<1#	<10 U	<10 U	<10 U
4-Methylphenol	2:Methylphenol	<1	<10 U	<100	<10 U
N-Nitrosodipropylamine	Bis(2-chloro-1-methylethyl) ether		<10 U	<10 U	<10 U
Haxachloroethane	4-Methylphenol	<1	<10 U	<10 U	<10 U
Nitrobenzene	N-Nitrosodipropylamine	<1	< 10 U	<10 U	<10 U
Sepherone	Hexachloroethane	<1	<10 U	<10.0	<10 U
2-Nitrophenol	Nitrobenzene	<1	<10 U	<10 U	<10 U
2.4-Dimethylphenol	İsophorone	<1	<10 U	<10 U	<10 U
Benzolc acid   (0,3) J	2-Nitrophenol	<3	<10 U	<10 U	<10 U
Sist   Sist	2,4-Dimethylphenol	<1	<10 U	<10 U	<10 U
2,4-Dichlorophenol	Benzoic acid	(0.3) J			
1,2,4-Trichlorobenzene	Bis(2-chloroethoxy) methane	<1	<10 U	<10 U	<10 U
Naphthalene   Company	2,4-Dichlorophenol	444.E	<10 U	<10 U	<10 U
4-Chloroaniline	1,2,4-Trichlorobenzene	<1#	<10 U	<10 U	<10 U
Hexachlorobutadiene	Naphthalene	<1#	<10 U	<10 U	<10 U
4-Chloro-3-methylphenol	4-Chloroaniline	<17	<10 U	<10 U	<10 U
2-Methylnaphthalene       <1	Hexachlorobutadiene	<3#	<10 U	<10 U	<10 U
Hexachlorocyclopentadiene <7 <10 U <10 U <10 U <10 U <10 U <2.4,6-Trichlorophenol <0.1# <10 U <10 U <10 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <26 U <2	4-Chioro-3-methylphenol	<7	<10 U	<10 U	<10 U
2,4,6-Trichlorophenol       <0.1#	2-Methylnaphthalene	<1	<10 U	<10 U	<10 U
2,4,6-Trichlorophenol       <0.2#	Hexachlorocyclopentadiene	<7	<10 U	<10 U	<10 U
2-Chloronaphthalene       <1	2,4,6-Trichlorophenol	<0.1#	<10 U	<10 U	<10 U
2-Nitroaniline       <3	2,4,5-Trichlarophenol	<0.2#	<26 U	<26 U	<26 U
Dimethyl phthalate <1 <10 U <10 U <10 U  Acenaphthylena <1 <10 U <10 U <10 U  2,6-Dinitrotoluena <3 <10 U <10 U <10 U	2-Chloronaphthalene	<1	<10 U	<10 U	<10 U
Acenaphthylene <1 <10 U <10 U <10 U <10 U <10 U <10 U <10 U	2-Nitroanlline	<3	<26 Ü	<26 U	<26 U
2,6-Dinitrotoluene <3 <10 U <10 U <10 U	Dimethy <b>i</b> phthalate	<1	<10 U	<10 U	<10 U
2,6-Dinitrotoluene <3 <10 U <10 U <10 U	Acenaphthylene	<1	<10 U	<10 U	<10 U
3:Nitroaniline <17 J <26 U <26 U <26 U	2,6-Dinitrotoluene	***************************************	<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

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Date: 02/07/96

SITE SAMPLE ID	D-02 EPA Sample	D-02 D-2	D-02 D-2	D-02 D-2
CONSTITUENT (Units in ug/l) 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∪	<10 ∪	<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 Ü	<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	<1J	<b>≼10</b> U	<10 U	<10 U
Benzo(b)fluoranthene	<1	<10 U	<10 U	<10 U
Benzo(k)fluorenthene	<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,l)perylene	<1	<10 U	<10 U	<10 U
		***************************************		
1				

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#=Constituent in more than one test method, highest result reported. ()=Less than Detection Limit

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	SITE	D-02	D-02	D-02	D-03
	SAMPLE ID	D-2	D-2	D-2	D-3B
CONSTITUENT [Units	in ug/l) DATE	05/12/93	07/15/93	10/20/93	05/28/90
Phenol		<12 U	<20 U		<10 U
bist2-Chloroethyl) ether		<12∪	<20 U		<10 U
2-Chlorophenol		<12 U	<20 U	80 to va	<10 U
1,3-Dichiorobenzane		<12# U	<10#U	<10U	<10 U
1,4-Dichlorobenzene		<12# U	<10# U	<10 U	<10 U
Benzyl alcohol		<del></del>			<10 U
1,2-Dichlorobenzene		<12# U	<10# U	<10 U	<10 U
2-Methylphenol		<12U	<20 U		<10 U
Bis(2-chloro-1-methylethy	/l) ether	<12 U	<20 U	***	<10 U
4-Methylphenol		<120	<20 U		<10 U
N-Nitrosodipropylamine		<12 U	<20 U		<10 U
Hexachloroethane		<12∪	<20 U		<10 U
Nitrobenzene		<12 U	<20 U	***	<10 U
Isopharane		<12∪	<20 U		<100
2-Nitrophenol		<12 U	<20 U	<b>**</b>	<10 U
2,4-Dimethylphenol		<12 U	< 20 U		<10 U
Benzoic acid				==-	120
Bis(2-chloroethoxy) metha	ane	<12 U	<20 U		<10 U
2,4-Dichlorophenol		<12 U	<20 U	a. w. 'n	<10 U
1,2,4-Trichlorobenzene		'<12∪	<20 U		<10 U
Naphthaiene		<12 U	<20 U		<10 U
4-Chloroaniline		<12 U	<20 U		<10.0
Hexachlorobutadiene		<12 U	<20 U		<10 U
4-Chlora-3-methylphenol		<12∪	<20 U		<10 U
2-Methylnaphthalene		<12 ∪	<20 U		<10 U
Hexachiorocyclopentadien	16	<12 U	<20 U		<10 U
2,4,6-Trichlorophenol		<12 U	<20 U	at to an	<10 U
2,4,5-Trichlorophenol		<30 U	<60 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
Acenephthylene		<12 U	<20 U		<10 U
2,6-Dinitrotoluene		<12 U	<20 U		<10 U
3-Nitroaniline		<30.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.

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Date: 02/07/96

SITE	D-02	D-02	D-02	D-03
SAMPLE ID	D-2	D-2	D-2	D-3B
CONSTITUENT (Units in ug/l) DATE	06/12/93	07/16/93	10/20/93	06/28/90
Acenaphthene	< 12 U	<20 U		<10 U
2,4:Dinitrophenol	<30.0	<50U		<51 U
1-Nitrophenol	<30 U	<50 U		<51 U
Dibenzofuren:	<12 ⊔	<20 U		<10 U
2,4-Dinitrotoluene	<12 U	<20 U		<10 Ü
Diethyl phthalate	<12 U	<20 U		<10 U
4-Chlorophenyl phenyl ether	<12 U	<20 U	Pun	<10 U
Fluorene	<12 ∪	<20 U		<10 U
I-Nitroaniline	<30 U	<50 U		<51 U
l;6-Dinitro-2-methylphenal	<30 U	<50 U		<61 U
N-Nitrosodiphenylamine	<12 U	<20 U		<10 U
HBromophenyl phenyl ether	<12 ∪	<20 ∪	44.4	<10 U
łexachlorobenzene	<12 U	<20 U		<10 U
Pentachlorophenol	<30 U	<50 U	<u> </u>	<51 U
Phenanthrene	<12 U	<20 U		<10 U
Anthracene	<b>&lt;12</b> U	<20 U		<10 U
Carbazole	<12 U	<20 U	·	
Di-n-butyl phthalate	<12 U	<20 U	***	<10 U
luoranthene	<12 U	<20 U		<10 U
Yrene	<12 U	<20 U		<10 U
Butyl benzyl phthelate	<12.U	<20 U		<10 U
3'-Dichlorobenzidine	<12 U	<20 U		<20 U
Jenzo(a)anthracene	<12 U	<20 U		<10 U
Phrysene	<12 U	<20 U		<10 U
sis{2-Ethylhexyl} phthalate	(8) J	<20 U		<10 U
Di-n-octyl phthalata	<12 U	<20 U	***	<10 U
lenzo(b)fluoranthene	<12 U	<20 U		<10 U
lenzo(k)fluoranthene	<12 U	<20 U		<10 U
lenzo(a)pyrene	<12 U	<20 U		<10 U
				\$0,000,000,000,000,000,000,000,000,000,
ndeno(1,2,3-cd)pyrene	<12 Ü	<20 U	<del></del>	<10 U
ndeno(1,2,3-ed)pyrene Dibenzo(a,h)anthracene	≪12:U <12 U	<20 U <20 U	<del></del>	< 10 U < 10 U
			  	**************************

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

Page: 1G of 2U Date: 02/07/96

	SITE	D-03	D-03	D-03	D-03
	SAMPLE ID	ABERDEEN C	I-3 D-3	D-3	D-3 9-25 0930
CONSTITUENT (Units in ug/l)	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-Diahtorobenzene		<20 U	<10 U	<10 U	<11#U
1,4-Dichlorobenzene	***************************************	<20 U	<10 U	<10 U	<11# U
Benzyl algohol		<20 U	<10 U	<10 U	<11U
1,2-Dichlorobenzene		<20 U	<10 U	<10 U	<11# U
2-Methylphenol		<20 U	<10 U	<10 U	<11U
Bis(2-chloro-1-methylethyl) ether		< 20 U	<10 U	<10 U	<11 U
4-Methylphenol		<20 U	<10 U	<10 U	<110
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-chlorosthoxy) methene		<20 U	<10.0	<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	<11U
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	<11เบ
2-Methylnaphthalene		<20 U	<10 U	<10 U	<11 U
Hexachlorocyclopentadiana		<20 U	<10 U	<10 U	<11 U
2,4,6-Trichlorophenol		<20 U	<10 U	<10 U	<11 U
2,4,5-Trichtorophenol		<100 U	<60 U	<52 U	< 66 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	<11U
2,6-Dinitrotoluene		<20 U	<10 U	<10 U	<11 U
3-Nitrosniline		<100 U	<50 U	<52 U	< 56 U

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#=Constituent in more than one test method, highest result reported.

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	SITE	D-03	D-03	D-03	D-03
	SAMPLE ID	ABERDEEN D-3	D-3	D-3	D-3 9-25 0930
CONSTITUENT (Units in ug/l)	DATE	08/15/90	01/09/91	05/30/91	09/25/91
Acenaphthene		< 20 U	<10 U	<10 U	<11 U
2,4-Dinitrophenoi		<100 U	<50 U	<52 U	<56 U
4-Nitrophenol		<100 U	<50 U	<62 U	<56 U
Dibenzofuran		<20 U	<10 U	<10 U	<110
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
Ruorene		<20 U	<10 U	<10 U	<111 U
1-Nitroaniline		< 100 U	<50 U	<52 U	<56 U
1.6-Dinitro-2-methylphenol		<100 U	<50 U	<52 U	<56 U
N-Nitrosodiphenylamine		< 20 U	<10 U	<10 U	<11 U
HBromophenyl phenyl ether		<20 U	<10 U	<10 U	<11 U
lexachlorobenzene		<20 U	<10 U	<10 U	<11 U
Pentachlorophenol		<100 U	<50 U	<62 U	<56U
Phenanthrene		<20 U	<10 U	<10 U	<11 U
Anthracene		<20 U	<10 U	<10.U	<11U
Carbazole					
)i-n-butyl phthalate		<20 U	<10∪	<10 U	<11 U
luoranthene		< 20 U	<10 U	<10 U	<11 U
yrene		<20 U	<10 U	<10 U	<11 U
lutyl benzyl phthalate		<20 U	<10 U	<10 U	<11 U
,3'-Dichlorobenzidine		<40 U	<20 U	<21 U	<22 U
lenzo(a)anthracene		<20 U	<10 U	<10 U	<11 U
Chrysene		<20 U	<10U	<10 U	<11 U
is(2-Ethylhexyl) phthalate		<20 U	(4) J	<10 U	<11 U
Di-n-octyl phthalate		<20 U	<10 U	<10 ∪	<11 U
enzo(b)fluoranthene		<20 U	<10 U	<10 U	<11 U
enzo(k)fluoranthene		<20 U	<10 U	<10 U	<11 U
lenzo(a)pyrene		<20 U	<10 U	<10 U	<11 U
ndeno(1,2,3-cd)pyrene		<20 U	<10 U	<10∪	<11 U
Pibenzo(a,h)anthracene		<20 U	<10 U	<10 U	<11 U
senzo(g,h,l)perylene		<20 U	<10.0	<10 U	<11 U

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() = Less than Detection Limit

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Date: 02/07/96

SITE	D-03	D-03	D-03	D-03
SAMPLE ID	D-3	D-3	D-3	D-3
CONSTITUENT (Units in ug/l) 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	<10.0	<11 U	<10# U
1,4-Dichlorobenzene	<11 U	<10 U	<11 U	<10# U
Benzyl alcohol	- <del></del>			
1,2-Dichlorobenzene	<11 U	<10 U	<11 U	<10# U
2:Methylphenol	<11 ∪	<10 U	<11 U	<10 U
Bis(2-chloro-1-methylethyl) ether	<11 U	<10 U	<11 U	<10 U
4-Methylphenol	<11∪	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
Isopharane	<11 U	<10 U	<11 U	<10 U
2-Nitrophenol	<11 U	<10 U	<11 U	<10 U
2,4-Dimethylphanol	<11 U	<10 U	<11 U	<10 U
Benzoic acid				*****
Bis(2-chloroethoxy) methane	<11 0	<10 U	<11 U	<10 U
2,4-Dichlorophenol	<11 U	<10 U	<11 U	<10 U
1,2,4-Trichlorobenzene	<11 U	<10 ∪	<11 U	<10 U
Naphthalene	<11 U	<10 U	<11 U	<10 U
4-Chloroanilina	<11 ∪	<10 U	<11 U	<10 U
Hexachlorobutadiene	<11 U	<10 U	<11 U	<10 U
4-Chloro-3-mathylphanol	<11 U	<10 U	<11 U	<10 U
2-Methylnaphthalene	<11 U	<10 U	<11 U	<10 U
Hexachlorocyclopentadiene	<11 U	<10 U	<11U	<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 ∪	<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
Value			. N-A	

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Date: 02/07/96

SITE	D:03	D-03	D-03	D-03
SAMPLE	ID D-3	D-3	D-3	D-3
CONSTITUENT (Units in ug/l) DATE	07/14/92	10/27/92	02/03/93	06/12/93
Acenaphthene	<11 U	<10 U	<11 U	<10 U
2,4-Digitrophenal	<26 U	<26 U	<28 Ü	<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
Fluorene	<11 U	<10 U	<11 U	<10 U
-morene 4-Nitroaniline	<26 U	<26 U	<28 U	<26 U
+-rvitroarmine 4;6-Dinitro-2-methylphenol	<26 U	<26 U	<28 U	<26 U
v.o-ommo-z-metnyphenol N-Nitrosodiphenylamine	<11 U	<10 U	<11 U	<10 U
v-vitrosociphenylanime 4:Bromophenyl phenyl ether	<11 U	<10 U	<110 <110	<10 U
+-bromoprienyr prientyr atrier Hexachlorobenzene	<11 U	<10 U	<11 ∪	<10 U
· · · · · · · · · · · · · · · · · · ·	<26 U	<26 U	<28 U	<26 U
Pentachlorophenol	<11 U	<10 U	<11 U	<10 U
Phenanthrene Anthracene	<11U	<10 U	<11 U	<10 U
Carbazole	<11 U	<10 U	<11 U	<10 U
	<11 U	<10 U	<11 U	<10 U
J⊦n:butyl phthalate 	<11 U	<10 U	<11 U	<10 U
Fluoranthene		<10 U	<11 U	<10 U
<sup>a</sup> yrene	<11 U	<10 U	<11 U	<10 U
Butyl benzyl phthalate	<11 U		<11U	<10 U
3,3'-Dichlorobenzidine	<11 U	<10U	.00000000000000000000000000000000000000	*******************************
3enzo(a)anthracene	<11 U	<10 U	<11 U	<10 U
Shrysene	<11 U	<10 U	<11 U	<10 U
ois(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	<110	<10 U
Benzo(a)pyrene	<11 U	<10 U	<11 U	<10 U
ndeno(1;2;3-cd)pyrene	<11 U	<10 U	<11 ∪	<10 U
Dibenzo(a,h)anthracene	<11 U	<10 U	<11 U	< 10 U
Benzo(g;h;l)perylene	<11 U	<10∪	<11 U	<10 U

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

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Date: 02/07/96

SITE	D-03	D+03	D-04E	D-04E
SAMPLE ID	D-3	D-3	D-4	ABERDEEN D-4
CONSTITUENT (Units in ug/l) DATE	07/15/93	10/20/93	05/28/90	08/15/90
Phenol	<20 U	- B H	<10 U	<20 U
bis(2-Chloroethyf) ether	<20.⊎		<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
lsophorane	<20 U	4.4	<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	<del></del>	<10 ∪	<20 U
2,4,6-Trichlorophenol	<20 U		<10 U	<20 U
2,4,5-Trichlorophenol	< 50 U		8 J	<b>5</b> J
2-Chloronaphthalene	<20 U		<10 U	<20 U
2-Nitroaniline	<60 U	-	<51 U	<100 U
Dimethyl phthalate	<20 U	ula des 600	<10 U	<20 U
Acenephthylene	<20 U		<10 U	<20 U
2,6-Dinitrotoluene	<20 U	All resident	<10 U	<20 U
3:Nitroeniline	<50 U		<51 U	<100 U
1				

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Date: 02/07/96

	SITE	D-03	D-03	D-04E	D-04E
	SAMPLE ID	D-3	D-3	D-4	ABERDEEN D.4
CONSTITUENT (Units in ug/l)	DATE	07/15/93	10/20/93	05/28/90	08/15/90
Acenaphthene		<20 U		<10 U	<20 U
***************************************		<50 U	<del></del>	<51 U	<100 U
2,4-Dinitrophenol		000100001000010000000000000000000000000			
4-Nitrophenol		<50 U	<del></del>	<51 U	<100 U
Dibenzofuren		<20 U		<10 U	<20 U
2,4-Dinitrotoluene		<20 U		<10 U	<20 U
Diethyl phthalate		<20 U		<10.0	<20 U
4-Chlorophenyl phenyl ether		<20 U		<10 U	<20 U
Fluorene		<20 U	<del></del>	<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		<100	<20 U
Fluoranthene		<20 U		<10 U	<20 U
<sup>e</sup> yrene		<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	w	<10 U	<20 U
Chrysene		<20 U		<10 U	<20 U
ois(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 ∪
Benzo(a)pyrene		<20 U		<10 U	<20 U
ndeno(1,2,3-cd)pyrene		<20 U		<10 U	<20 U
Dibenzo(a,h)anthracene		<20 U		<10 U	<20 U
Benzo(g;h,l)perylene		<20 U	•	<10 U	<20 U
			****************************		

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

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Date: 02/07/96

	****			AAAAN AAAAA XAXXII AAAA
SITE	D-04E	D-04E	D-04E	D-04E
SAN	IPLE ID D-4E	D4E-1010	D4E-925	EPA Sample
CONSTITUENT (Units in ug/l) DAT	E 01/09/91	05/30/91	09/25/91	01/16/92
Phenol	<10 U	<10 U	<10 U	<8
bis(2-Chloroethyl) ether	<100	<100	<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 ∪	<10 U	<8
Bis(2-chloro-1-methylethyl) ether	<10 U	<10 U	<10 U	
4-Methylphenol	<10 U	<10 U	<10 U	1.0
N-Nitrosodipropylamine	<10 U	<10 U	<10 U	<8 J
Hexachloroethane	<10 U	<10 ∪	<10∪	<8
Nitrobenzene	<10 U	<10 U	<10 U	<8
Isophorone	<10 U	<10 U	<10∪	<8
2-Nitrophenol	<10 U	<10 U	<10 U	<20
2,4-Dimethylphenal	<10∪	<10 U	<10 U	<.8
Benzoic acid	< 52 U	<50 U	<52 U	<98
Bis(2-chloroethoxy) mathane	<10 U	<10 U	<10 U	<8
2,4-Dichlorophenol	<10 U	<10 U	<10 U	<del></del>
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∪	<10 U	<10 U	<39
2-Methylnaphthalene	<10 U	<10 U	<10 U	(0.3) J
Hexachlorocyclopentadiane	<10∪	<10 U	<10 U	<39
2,4,6-Trichlorophenol	<10 U	<10 U	<10 U	<0.12#
2,4,5 Trichlorophenol	<52 U	<60 U	<52 U	<0.24#
2-Chloronaphthalene	<10 U	<10 U	<10 U	<8
2-Nitroaniline	<52 U	<50 U	<62 U	<20 J
Dimethyl phthalate	<10 U	<10 U	<10 U	<8
Acenephthylene	<10 U	<10 U	<10 U	<8
2,6-Dinitrotoluene	<10 U	<10 U	<10 U	<20
3-Nitroaniline	<52 U	<60 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

Page: 2J of 2U Date: 02/07/96

SITE	D-04E	D-04E	D-04E	D-04E
SAMPLE ID	D-4E	D4E-1010	D4E-926	EPA Sample
CONSTITUENT (Units in ug/l) DATE	01/09/91	05/30/91	09/25/91	01/16/92
Acenaphthene	<10 U	<10 U	<10 U	1 J
2,4-Dinitrophenol	<52 U	<60 U	<62 U	<98
4-Nitrophenol	<62 U	<50 U	< 52 U	<49
Dibenzofuren	<10 U	<10 U	<10 U	<8
2,4-Dinitrotoluene	<10 U	<10 U	<10 U	< 20
Diethyl phthelate	<10 U	<10 U	<10 U	<8
4-Chlorophenyl phenyl ether	<10 U	<10 U	<10 U	<8
Fluorana	<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 phthalata	<10 U	<10 U	<10 U	<8
Fluoranthene	<10 Ü	<10 U	<10 U	<8
Pyrene	<10 U	<10 U	<10 ∪	<8
Butyl benzyl phthalate	<10 U	<10 U		400 I
1 1 1 1 1 1 1 1	7.7	1100	<10 U	<20 J
3,3f-Dichlorobenzidine	<21 U	<20 U	<10 U <21 U	<200 J
3,3'-Dichlorobenzidine	<21 U	<20 U	<21 U	<200 J
3;3f:Dichlorobenzidine Benzo(a)anthracene	<21 U <10 U	<20.∪ <10.∪	<21 U <10 U	<200 J <8 J
3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl) phthalate	<21:0 <10∶0 <10:U	<20 U <10 U <10 U	<21 U <10 U <10 U	<200 J <8 J <8 J
3,3f-Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl) phthalate	<21 U <10 U <10 U <10 U	<20 U <10 U <10 U (6) J	<21 ⊍ <10 ∪ <10 ∪ <10 ∪	<200 J <8 J <8 J <23 J
3,3f-Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl) phthalate Di-n-octyl phthalate	<21 U <10 U <10 U <10 U <10 U	<20 U <10 U <10 U (5) J <10 U	<21 U <10 U <10 U <10 U <10 U	<260 J <8 J <8 J <23 J <8 J
3;3f:Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl) phthalate Di-n-octyl phthalate Benzo(b)fluoranthene	<21 U <10 U <10 U <10 U <10 U <10 U	<20 U <10 U <10 U (6) J <10 U <10 U	<21 ⊍ <10 U <10 U <10 U <10 U <10 U	<200 J <8 J <8 J <23 J <8 J <8 J
3,3f-Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl) phthalate Di-n-octyl phthalate Benzo(b)fluoranthene Benzo(k)fluoranthene	<21 U <10 U <10 U <10 U <10 U <10 U <10 U	<20 U <10 U <10 U (6) J <10 U <10 U <10 U	<21 U <10 U <10 U <10 U <10 U <10 U <10 U	<260 J <8 J <8 J <23 J <8 J <8 J <8 J
3.3'-Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl) phthalate Di-n-octyl phthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene	<21 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U	<20 U <10 U <10 U (5) J <10 U <10 U <10 U <10 U	<21 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U	<200 J <8 J <8 J <23 J <8 J <8 J <8 J <8 J
3,3'-Dichlorobenzidine Benzo(a)anthracene Chryeene bis(2-Ethylhexyl) phthalate Di-n-octyl phthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-od)pyrene	<21 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U	<20 U <10 U <10 U (5) J <10 U <10 U <10 U <10 U <10 U	<21 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U	<200 J <8 J <8 J <23 J <8 J <8 J <8 J <8 J <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

Page: 1K of 2U Date: 02/07/96

Weyco Aberdeen

SITE	D-04E	D+04E	D-04E	D-05
SAMPLE	D D4	D-4E	D-4	D-5
CONSTITUENT (Units in ug/I) DATE	07/14/92	02/03/93	05/12/93	05/28/90
Phenol	about .			22
bis(2-Chloroethyl) ether			<del></del>	<10 U
2-Chlorophenol				<10 U
1,3-Dighlarobenzene				<10 U
1,4-Dichlorobenzene	***			<10 U
Benzyl alcohol		<del></del>		<100
1,2-Dichlorobenzene				<10 U
2-Methylphenol				<100
Bis(2-chloro-1-methylethyl) ether				<10 U
4-Methylphenol				9.1
N-Nitrosodipropylamine		***		<10 U
Hexachloroethane			<del></del>	<10 U
Nitrobenzene				<10 U
lsophorone				<10 U
2-Nitrophenol	###		<del></del>	<10 U
2,4-Dimethylphenol			- <del></del> -	4 J
Benzoic acid	***			33 J
Bis(2-chloroethoxy):methane		<del></del>		<10 U
2,4-Dichlorophenol			***	<10 U
1,2,4-Trichlorobenzene		***	<del></del>	<10 U
Naphthalene				7 J
4-Chloroaniline	<del></del>	<del></del>		<10 U
Hexachlorobutadiene				<10 U
4-Chloro-3-methylphenol				<10 U
2-Methylnaphthalene				3 J
Hexachlorocyclopentadlana		<del></del> -		<10 U
2,4,6-Trichlorophenol				<10 U
2,4,5-Trichlorophenol	<del></del> -	<del></del>		190
2-Chloronaphthalene		der for up		< 10 U
2-Nitroaniline	-		-	<51 U
Dimethyl phthalate				<10 U ≪10 U
Acenaphthylene		-	<del></del>	<10 U
2,6-Dinitrotoluene				
3:Nitroeniline	***			<61 U
Values represent total concentrations unless notes	d <=Not detected at i	ndicated reporting limit	t = Not enalyzed	

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Date: 02/07/96

Comparison   Com					
CONSTITUENT   Units to ught   DATE   07/14/92   02/939   06/12/93   06/12/9			D-04E		
Dimitophery   School   Schoo	SAMPLE	EID D-4	D-4E	D-4	D-5
### ### ##############################	CONSTITUENT (Units in ug/l) DATE	07/14/92	02/03/93	05/12/93	05/28/90
### ### ##############################					
Nitrophenol	Acenaphthene				
	2,4-Dinitrophenol			<del></del>	******************************
4-Dinitrotokune	4-Nitrophenol				
Chlorophenyl phenyl ether	Dibenzoluran				
Chlorophenyl phenyl ether	2,4-Dinitrotoluene		apagas.		
Second   S	Diethyl phthalate				
Nitroaniline	4-Chlorophenyl phenyl ether	***		NP-0	
Spiritro 2 mathylphanol	Filigrana		<u></u> -		
Nitrosodiphenylamine	4-Nitroaniline		***	***	
Bromphenyl phenyl ether	4,6-Dinitro-2-methylphenol				
Second   S	N-Nitrosodiphenylamine	F-879			
Second   S	4-Bromaphenyl phenyl ether				.00000000000000000000000000000000000000
Septembry   Sept	Hexachlorobenzene				
State   Stat	<sup>g</sup> entachlorophanol	<1.0	<1.0	<10	- 440-580 00 10 10 10 10 10 10 10 10 10 10 10 10
	Phenanthrene		ww#		
Semble   S	Anthracene				<10 U
	Carbazole				
Company   Comp	Di-n-butyl phthelate				
10 U   3°-Dichlorobenzidine	fluoranthene				
3°-Dichlorobenzidine	<sup>3</sup> yrana				400000000000000000000000000000000000000
September   Sept	Butyl benzyl phthalate		***		
Section   Sect	3,3'-Dichlorobenzidine				
Signature   Sign	Benzo(a)anthracene	***			
-n-octyl phthalate < 10 U  snzo(b)fluoranthene < 10 U  snzo(k)fluoranthene < 10 U  snzo(a)pyrene < 10 U  deno(1;2;3:ed)pyrene < 10 U  benzo(a,h)anthracene < 10 U  snzo(g;h;l)perylene < 10 U	Shrysene			<del></del> -	
Initial Control Cont	ois(2-Ethylhexyl) phthalate		**-	<del></del>	
Inizo(k)fluorantherie	Di-n-octyl phthalate				•
enzo(a)pyrene	Benzo(b)fluoranthene				
deno(1,2,3-cd)pyrene <10 U benzo(a,h)anthracene <10 U snzo(g;h,il)perylene <10 U	Senzo(k)fluorenthene				
benzo(a,h)anthracene <10 U anzo(g;h;l)perylane <10 U	Benzo(a)pyrene		<del></del>		
mzo(g;h;l)peryléne <10·U	ndeno(1,2,3-cd)pyrene				
	Dibenzo(a,h)anthracene				<10 U
ilues represent total concentrations unless noted. < = Not detected at indicated reporting limit = Not analyzed	Senzo(g,h,i)perylene	***			<10 U
ilues represent total concentrations unless noted. < = Not detected at indicated reporting limit = Not analyzed					
1009 tobiografic rotal collectifications graces and anticons anticons and anticons anticons anticons anticons and anticons anticons anticons anticons and anticons anticons anticons anticons and anticons ant	Values represent total concentrations unless not	ed <=Not detected a	t indicated reporting lin	nit=Not enalyzed	

Page: 1L of 2U Date: 02/07/96

	SITE D-05	D-05	D+05	D-05
	SAMPLE ID ABERDEEN D-5	D-5	D5-1130	EPA Sample
CONSTITUENT (Units in ug/l)	DATE 08/15/90	01/09/91	05/30/91	01/16/92
Phenol	140	45	40	56
bis(2-Chloraethyl) ether	<20.∪	<10 U	<10 U	<1
2-Chlorophenol	<20 U	<10 U	<10 U	<1
1,3-Dichlorobenzene	<20 U	<100	<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 ∪	21	<10 U	<1
Bis(2-chloro-1-methylethyl) ether	<20 U	< 10 U	<10 U	252
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	<b></b>
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 Ü	<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	<b>K</b> 1
2,6-Dinitrotoluene	<20 U	<10 U	<10 U	<3
3-Nitroanlline	<100 ∪	< 52 U	<52 U	<16 J
Values represent total concentrations un	aleee noted <- Not detected at indica	stad caparting limi	t	

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

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Date: 02/07/96

SITE	D-05	D-05	D-05	D-06
SAMPLE ID CONSTITUENT (Units in wa/l) DATE	ABERDEEN D-5 08/15/90	D-5 01/09/91	D5-1130 06/30/91	EPA Sample 01/16/92
CONSTITUENT (Units in ug/l) DATE	00,.0.00	01,00,01		
Acenaphthene	< 20 U	< 10 U	<10 U	<1
2,4-Dinitrophenol	<100 U	<52 U	<52 U	<16
I-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 phthalata	<20 U	<10 U	<10 U	<1
I-Chiorophenyi phenyi ether	<20 U	<10 U	<10 U	<1
luorane	<20 U	<10 U	<10 U	<1
l-Nitroaniline	<100 U	<52 U	< 52 U	<16
i, 6-Dinitro-2-methylphenol	<100 U	<52 U	<52 U	<16
I-Nitrosodiphenylamine	<20 U	<10 U	<10 U	< 16
l-Bromaphenyl phenyl ather	<20 U	<10 U	<10 U	<1
łexachlorobenzene	<20 U	<10 U	<10 U	<1
Pentachlorophenol	5800 E	8000 E	9900 D	2510#
Phonanthrene	<20 U	< 10 U	<10 U	<1 <1
Arithracene	<20 U	<10 U	<10 U	<6J
Carbazole				<1
Di-n-butyl phthalate	<20 U	<10 U	<10 U <10 U	<1
Fluoranthene	<20 U <20 U	<10 U	<10 U	<1.0
Y/rene	<20 U	<10 U	<10 U	<3J
Butyl benzyl phthalate	<40 U	<21 U	<21 U	<32 J
3,2'-Dichlorobenzidine	<20 U	<10 U	<10 U	<1 J
Benzo(a) anthracane	<20 U	<10U	<10.U	<1.0
Chrysene	<20 U	<10 U	<10 U	<2 J
ois(2-Ethylhexyl) phthalate Di-n-octyl phthalate	<20 U	<10 U	<10 U	<1J
p:n:ocry: pn:naiate Benzo(b)fluoranthene	<20 U	<10 U	< 10 U	<1 J
senzo(b) fluoranthene Senzo(k) fluoranthene	<20 U	<10 U	<10 U	<1J
senzo(k) nuorantnene Senzo(a) pyrene	<20 U	< 10 U	< 10 U	<1 J
nderio(1,2,3-ed)pyrene	<20 U	<10 U	<10.0	<1J
ndend(1,2,5=cd)pyreile Dibenzo(a,h}anthrecene	<20 U	< 10 U	< 10 U	<3 J
> Deuts of a lithautis a coalla	<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.

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Date: 02/07/96

		_		
SITE	D-05	D:05	D-05	D-06
SAMPI	EID 0/5	D-5	D-5	D-6
CONSTITUENT (Units in ug/l) DATE	07/14/92	02/03/93	05/12/93	09/13/90
Phenoi				<10 U
bis(2-Chlorgethyl) ether			<u></u> -	<10 U
2-Chlorophenol		₩##		< 10 U
1,3-Dichlorobenzene		<u></u>	<del></del> -	<10 U
1,4-Dichlorobenzene				<10 U
Benzyl alcohol		***		<10 U
1,2-Dichlorobenzene	w==		##F	<10 U
2-Methylphenol	<u></u>			<10 U
Bis(2-chloro-1-methylethyl) ether		###		<10 U
4-Methylphenol			<del></del>	<10 U
N-Nitrosodipropylamine				<10 U
Hexachioroethane		***		<10 U
Nitrobenzene	4==			<10 U
Isophorone	<del></del>	<u></u> -	<u></u> -	<10 U
2-Nitrophenol	***			<10 U
2,4-Dimethylphenol				<10 U
Benzoic ecid				<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-Chioro-3-methylphenol		<del></del>		<10 U
2-Methylnaphthalene				<10 U
Hexachlorgoyolopentadiene		<del></del>	<del></del>	<10 U
2,4,6-Trichlorophenol				<10 U
2,4,5-Trichlorophenol				<61 U
2-Chloronaphthalene				<10 U
2-Nitroaniline	<del></del>	<del></del>		<61 U
Dimethyl phthalate		***		<10 U
Acenaphthylane				<10 U
2,6-Dinitrotoluene				<10 U
3-Nitroaniline				<61 U
Values represent total concentrations unless r	noted <=Not detected a	t indicated reporting lir	mit=Not analyzed	

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Date: 02/07/96

	SITE	D:05	D-05	D-05	D-06
	SAMPLE ID	D-5	D-5	D-5	D-6
CONSTITUENT (Units in ug/l)	DATE	07/14/92	02/03/93	05/12/93	09/13/90
Acenaphthene					<10 U
2,4-Dinitrophenal			<del></del>		<61 U
4-Nitrophenol					<51 U
Dibenzofuran					<10.0
2,4-Dinitrotoluene					<10 U
Diathyl phthalate					<10 U
4-Chlorophenyl phenyl ether				***	<10 U
Fluorene		<del></del>	<del></del>		<10 U
4-Nitroaniline	***************************************				<51 U <51 U
4,6-Dinitro-2-methylphenol			***	<del></del>	<10 U
N-Nitrosodiphenylamine			***	***	<10 U
4-Bromophenyl phenyl ether			<del></del>	444	<10 U
Hexachlorobenzene	•			 2400	<61 U
Pentachlorophenol		3780	1300	2400	<10 U
Phenanthrene					<10 U
Anthracene					
Carbazole		<del></del>			<10 U
Di-n-butyl phthalate		-			<10 U
Fluorenthene					<10 U
Pyrene					<10 U
Butyl benzyl phthalate				a	<20 U
3,3'-Dichlorobenzidine				**=	<10 U
Benzo(a)anthracene			<u></u>		<10 U
Chrysene					<10 U
bis(2-Ethylhexyl) phthalate Di-n-octyl phthalate			+++		<10 U
Benzo(b)fluoranthene				***	<10 U
			-		<10 U
Benzo(k)fluoranthene Benzo(a)pyrene					<10 U
Indeno(1,2,3-cd)pyrene					<10 U
Dibenzo(a,h)anthracene			en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	***************************************	<10 U
Benzo(g,h,i)perylene		+++			<10 U
The state of the s			er e e e e e e e e e e e e e e e e e e		•
Values represent total concentrations u	nless noted <=N	ot detected at in	dicated reporting lim	it≃Not analyzed	
· ·					

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Date: 02/07/96

	SITE	D-06	D-06	D-06	D-06
	SAMPLE ID	D-6	D6-1145	D6-925	EPA Sample
CONSTITUENT (Units in ug/l)	DATE	01/09/91	05/30/91	09/25/91	01/16/92
Phenol		<10 U	<10 U	<10 U	<1
ois(2-Chloraethyl) ether		<10 U	<10 U	<10 U	<1
2-Chlorophenol		<10 U	< 10 U	< 10 U	<1
1,3-Dichlorobenzene		<10 U	<10U	<10 U	<1#
1,4-Dichlorobenzene	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<10 U	<10 U	<10 U	< 1#
Benzyl alcohol		<10 U	<10 U	<10 U	<26 J
1,2-Dichlorobenzene	***************************************	< 10 U	< 10 U	<10 U	< 1#
2-Methylphenol		<10 U	<10 U	<10 U	<1
Bis(2-ohloro-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
Vitrobenzene		<10 U	<10 U	<10 U	<1
sophorone		<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	reprinted.
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
-lexachlorobutadiene	***************************************	<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-Trichtorophenol		< 62 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 phthalete	nev	<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-Nitroanilins		<52 U	<52 U	< 61 U	<16 J
			icated reporting limit	- Not analyzed	

Values represent total concentrations unless noted <= Not detected at indicated reporting limit --- = Not analyzed

 $1_{\#}$  = Constituent in more than one test method, highest result reported.

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Date: 02/07/96

SAMPLE ID D-6 D6-1145 D6-925 CONSTITUENT (Units in:ug/l) DATE 01/09/91 05/30/91 09/25/91	D-06 EPA Sample 01/16/92
CONSTITUENT (Units in ug/l)         DATE         01/09/91         05/30/91         09/25/91           Acenaphthene         < 10 U         < 10 U         < 10 U	
Acenaphthene <10 U <10 U <10 U	01/16/92
	<1
4-Dinitrophenoi <62.0 <62.0 <61.0	<16
	<8J
	<1 <1
	<3
,	<1 <1
	<1
	<1
	********
-Nitroaniline <52 U <52 U <51 U -6-Dinitro-2-methViphenol ≪52 U ≪52 U ≪51 U	<8J ≼16
	<1J
11110000121101171011110	
	<1 <1
lexachlorobenzene <10 U <10 U <10 U	
entachloropheng) <52.U <52.U <51.U	<0.03#
Phenanthrene <10 U <10 U	<1 <1
	<6J
Carbazole	
	<1
	<1
ryrene <10.U <10.U <10.U	<1 -
act, butty, pretained	<3
	<32 J
lenzo(a)anthracene <10 U <10 U	<1
	<1
is(2-Ethylhexyl) phthalate <10 U <10 U	<10
	<1 J
	<1 J
	<1.1
	<1 J
ndeno(1,2,3-cd)pyrene <10 U <10 U <10 U	<10
	<3J
	<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.

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Date: 02/07/96

1997   1998						
DOUBTITUENT   (Unite in ugh)   DATE		SITE	D-06	D-06	D-06	D-07
Parent		SAMPLE ID	D-6	D-6	D-6	7-0
22 Chiprocetryd  ether	CONSTITUENT (Units in ug/l)	DATE	07/14/92	02/03/93	05/12/93	09/13/90
April   Apri						
Chlorophenol	Phenol					740 E
Sibilitoribenzaria	bis(2-Chloroethyl) ether				-	<10 U
4-Dichlorobenzene	2-Chlorophenol				us to m	<10 U
	1,3-Dichlorobenzene					<10 U
2-Dichlorobenzane	1,4-Dichlorobenzene				wm4	<10 U
### ### ##############################	Benzyl alcohol					<10 U
s(2-chloro-1-mathylethyl) ether	1,2-Dichlorobenzene					<10 U
Metriyophenol Metriyophenol Metriyophenol Metrosodipropylamine Metriyophenol Metrosodipropylamine Metrosodipropyla	2-Methylphenal					<10 U
Nitrosodipropylamine	Bis(2-chloro-1-methylethyi) ether					
State   Stat	4-Methylphenol				<del></del>	55
Chipronal   Chip	N-Nitrosodipropylamine				***	
Ophorone         —<	Haxachloroethane					<10 U
Nitrophenol	Nitrobenzene					
4-Dinethylphenol	Isophorone		<del>-</del>		<u></u> -	<100
Section   Sect	2-Nitrophenol			4		
Signature   Sign	2.4-Dimethylphenol					376.325.327.432.444.4444.4444.4444.4444.4444.44
4-Dichlorophenol	Benzoic acid					
2.4-Trichlorobenzene	Bis(2-chloroethoxy) methane					************************
Aphthalene	2,4-Dichlorophenol					
Chiloroaniline	1,2,4-Trichlorobenzene		+**			100000000000000000000000000000000000000
Chiloro-3-methylphenol	Naphthalene					
Chloro-S-methylphenol	4-Chloroaniline					SACTOR CONDOCUES CONTRACTOR CONTR
	Hexachlorobutadiene					
Sexachlorocyclopentadiene	4-Chlora-3-methylphenol					VANCOUS CO. CO. CO. CO. CO. CO. CO. CO. CO. CO.
A,6-Trichlorophenol	2-Methylnaphthalene					
4,5-Trichlorophenol	Hexachlorocyclopentadiana					
	2,4,6-Trichlorophenol					
Nitroaniline <-50 U imethyl phthalate <-10 U ceraphthylana <-10 U ,6-Dinitrotoluene <-10 U	2,4,5 Trichlorophenol					AND PARTICION OF THE PROPERTY
imethyl phthalate <10 U cenaphthylene <10 U ,6-Dinitrotoluene <10 U	2-Chloronaphthalene					
ceriaphthylene <10.0 ,6-Dinitrotoluene <10.0	2-Nitroaniline					
,6-Dinitrotoluene <10 U	Dimethyl phthalate		•••			
O-DIRECTORISE	Acenaphthylene				<u>-</u> -	AND CONTRACTOR OF THE PROPERTY
₽E <b>f</b> (I)	2,6-Dinitratoluene					
Nitroaniline Coco	3-Nitroaniline					< 60 U
alues represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed	Values represent total concentrations	unless noted <= No	ot detected at i	ndicated reporting lim	it=Not analyzed	

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Date: 02/07/96

	entrations unless noted	< - Not detected i	at Indicated reporting	limit=Not analyzed	
enzo(g;h;l)perylene				<del></del> -	<10 U
ibenzo(a,h)anthracene					<10 U
ndeno(1,2,3-cd)pyrene			<u></u>		<10 U
enzo(a)pyrene					<10 U
enzo(k)fluorenthene					<10 U
enzo(b)fluoranthene					< 10 U
n-octyl phthalate					<10 U
is(2-Ethylhexyl) phthalate	ourone (1000 000 000 000 000 000 000 000 000 0				<10 U
hrysene				-	<10 U
enzo(a)anthracene	***************************************			<del></del>	<10 U
,3'-Dichlorobenzidine				-	<20 U
utyl benzyl phthalate					<10 U
yrene Yrene		£	<del></del> -		<10 U
l⊪n-butyi pritnatate luoranthene					<10 U
arbazole II-n-butyl phthalate		***			<10 U
inthracene Jarbazole				<u></u>	
henanthrene					<10 U
entachlorophenol		000100010000000000000000000000000000000			<10 U
exachlorobenzene		 <1.0	 <1.0	 <10	<50 U
-Bromophenyl phenyl ethe					<10 U
-Nitrosodiphenylamin <del>a</del>	200000000000000000000000000000000000000				<10 U
,6-Dinitro-2-methylphenol		<del></del>			<50 U
-Nitroaniline	<u> </u>				<50 U ≪50 U
luorene					<10 U
-Chlorophenyl phenyl ethe	•				<10 U
iethyl phthalate			***		<10 U
,4-Dinitrotoluene	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			***	<10 U
ibenzofuran				+ <del></del>	<10 U
-Nitrophenol	***************************************	##=			<50 U
.4-Dinitrophenol					<50 U
.cenaphthene					<10 U
CONSTITUENT (Units in		07/14/92	02/03/93	05/12/93	09/13/90
	SAMPLE ID	D-6	D-6	D-6	D-7

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Weyco Aberdeen Date: 02/07/96

CONSTITUENT   Charles aught   DATE   D-07					
Phano	SITE	D:07	D-07	D-07	D-07
Phenol	SAMPLE ID	D7-1105	D7-925	EPA Sample	D-7
Discreption   Communication	CONSTITUENT (Units in ug/l) DATE	05/30/91	09/25/91	01/16/92	07/14/92
Discreption   Communication					
2-Chlorophenol	Phenol	<11 U	<10 U	<7	
1.4-Dichlorobanzone	bis(2-Chiorosthyl) ether	<11 U	<10 U	<7	
1,4-Dichlorobanzone	2-Chlorophenol	<11 U	<10 U	<7	
Bongy alcohol	1:3-Dichlarobenzene	<11 U	<10 U	<7#	
1,2-Dichlorobenzene       <11 U	1,4-Dichlorobenzene	<11 U	<10 U	<7#	
2.Methylphenol	Benzyi alcohol	<b>&lt;1</b> 11 U	<10 U	<130 J	
Bis(2-chloro-1-methylothyl) ether	1,2-Dichlorobenzene	<11 U	<10 U	<7#	
4 Methylphenol         <11 U	2:Methylphenol	<11 U	<10 U	<7	<del></del>
N-Nitrosodipropylamine	Bis(2-chloro-1-methylethyl) ether		<10 U		
Hexachloroethane	4-Methylphenol	<11 U	<10 U	<7	
Nitrobenzene         <11 U	N-Nitrosodipropylamine	<11 U	<10 U	<7 J	
Isophoronis	Hexachloroethane	<11 U	<10 U	<7	
2-Nitrophenol       <11 U	Nitrobenzene	<11 U	<10 U		
2,4-Dimethylphenol   <11 U	Isophorone	<11 U	<10 U	<7	
Berzoic acid       <54 U	2-Nitrophenol	<11 U	<10 U		***
Bis(2-chlorosthoxy) mathane	2;4-Dimethylphenol	<11 U	<10 U	<7	
2,4-Dichlorophenol       <11 U	Benzoic acid	< 64 U			
1,2,4-Trichlorobenzone       <11 U	Bis(2-chloroethoxy) methene	<110	<100	<7	
Naphthalene       <11 U	2,4-Dichlorophenol				
4-Chloroaniline	1,2,4-Trichlorobenzene	<11 U	<10 U	<7#	
Hexachlorobutadiene       <11 U	Naphthalene	<11 U			
4-Chloro-3-methylphenol       <11 U	4-Chloroaniline	<11 U	<10 U	***********	
2-Methylnaphthalene       <11 U	Hexachlorobutadiene				
Hexachlorocyclopentadiane	4-Chloro-3-methylphenal	<11U	<10 U	<33	
2,4,6-Trichlorophenol       <11 U	2-Methylnaphthalene				***
2,4,5-Trichlorophenol       <64 U	Hexachlorocyolopentadiene	5. 1000 to belief to be consistent and consistent a		******	
2-Chloronaphthalene       <11 U	2,4,6-Trichlorophenol				
2-Nitroaniline       <54-U	2,4,5-Trichlorophenol	biddig tiddag con con con con con con con con con con	editorio de como de de constitución de constitución de la constitución de la constitución de la constitución d	000000000000000000000000000000000000000	-
Dimethyl phthalate         <11 U	2-Chioronaphthalene				
Adenaphthylene <11 U <10 U <7  2,6-Dinitrotoluene <11 U <10 U <17	2-Nitroaniline	s falle de la faction de services de services de services de services de services de services de services de s	d de la delibration production production de la constitución de la con	000000000000000000000000000000000000000	-
2,6-Dinitrotoluene <11 U <10 U <17	Dimethyl phthalate				
	Acenaphthylene	\$5400 printer and provide recognition of the second section of the second sections.			
3:Nitroaniline <54 U <51 U <83 J ++	2,6-Dinitrotoluene		_		***
	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.

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Date: 02/07/96

	SITE	D-07	D-07	D-07	D-07
	SAMPLE ID	D7-1105 05/30/91	D7-925 09/25/91	EPA Sample 01/16/92	D-7 07/14/92
CONSTITUENT (Units in ug/l)	DATE	06/30/91	09/25/91	01/10/32	07/14/92
Acenaphthene		<11 U	< 10 U	<7	
acenaprimene 2,4:Dinitrophenol		< 54 U	<51 U	<83 J	
1-Nitrophenol		<54 U	< 51 U	<42	
Dibenzoturan		<11 U	<10 U	<7	
2,4-Dinitrotoluene		<11 U	<10 U	<17	***
) Diethyl phthalate		<11 U	<10 U	<7	****
-Chlorophenyl phenyl ether		<11 U	<10 U	<7	===
luorene		<11 U	<10 U	<7	
-Nitroaniline	400000000000000000000000000000000000000	< 54 U	<61 ∪	<83	N S-0
,6-Dinitro-2-methylphenol		<64 U	<51 U	<83	
i-Nitrosodiphenylamine		<11 U	<10 U	<83 J	
-Bromophenyl phenyl ether		<11 U	<10 U	<7	
lexachlorobenzene		<11 U	<10 U	<7	
antachlorophanol		<54 U	<51 U	<0.04#	<1.0
henanthrene		<11 U	<10 U	<7	
nthracene		<11 U	<10 U	<b>≤</b> 7	
Carbazole			<10 U	<33 J	
)i-n-butyl phthalate		<11 U	<10.0	<7	-14
luoranthene		<11 U	<10 U	<7	
yrene		<11 U	<10 U	<7 J	
utyl benzyl phthalate		<11 U	<10 U	<17 J	
,31-Dichlorobenzidine		<22 U	<20 U	<170 J	<del></del>
enzo(a)anthracene		<11 U	<10 U	<7 J	
thrysene		<11 U	<10 U	<7 J	
is(2-Ethylhexyl) phthalate		<11 U	(6) J	<18 J	
ii+n+octyl phthalate		<11 U	<10 U	<7J	
enzo(b)fluoranthene		<11 U	<10 U	<7 J	
enzo(k)fluoranthene		<110	<10 U	<7 J	
enzo(a)pyrene	***************************************	<11 U	< 10 U	<7 J	
ndeno(1,2,3-cd)pyrene		<11 U	<10 U	<7 J	
Pibenzo(a,h)anthracene	·····	<11 U	<10 U	<17 J	
enzo(g,h,i)perylene		<11 U	<10 U	<7 J	<del></del>

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

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Date: 02/07/96

SITE	D-07 D D-7	D-07 D-7	D-08 D-8	D+08 D+8
SAMPLE I	02/03/93	05/12/93	09/13/90	01/09/91
CONSTITUENT (Units in ug/l) DATE	02/03/33	OUTEROO	50.10.55	3,,,,,,,
Phenol			280	<10 U
pis(2-Chiloroethyl) ether	-		<10 U	<10 U
2-Chlorophenol			<10 U	<10 U
,3-Dichlorobenzene			<10∪	<10.U
I,4-Dichlorobenzene			<10 U	<10 U
Senzyl alcohol			<10 U	<10 U
l,2-Dichlorobenzene	***		<10 U	<10 U
2-Mathylphenol			<10 U	<10 U
Bis(2-chloro-1-methylethyl) ether		<b></b>	<10 U	<10 U
l-Methylphenol			54	<10 U
N-Nitrosodipropylamine			<10 U	<10 U
lexachloroethane			<10 U	<10 U
Jitrobenzene			<10 U	<10 U
sopharone	<u></u>	-	<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
i,2,4-Trichlorobenzene			<10 U	<10 U
	e Steam		<10 U	<10 U
l-Chloroaniline			<10 U	<10 U
		<del></del>	<10 U	<10 U
l-Chloro-3-methylphenal			<10 U	<10 U
2-Methylnephthalene			<10 U	<10 U
fexachlorpoyclopentadiene			<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	<u></u> -	<u>-</u> -	<50 U	<52 U
Dimethyl phthalate			<10 U	<10 U
Acenaphthylene	***	<del></del> -	<10 U	<10.0
2,6-Dinitrotoluene			<10 U	<10 U
3:Nitroaniline			<50 U	< 52 U

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Date: 02/07/96

SITE	D-07	D-07	D-08	D-08
SAMPLE ID	D-7	D-7	D-6	D-8
CONSTITUENT (Units in ug/l) DATE	02/03/93	06/12/93	09/13/90	01/09/91
Acenaphthene	=4#		<10 U	<10 U
2;4-Dinitrophenal			<60 U	<52 U
4-Nitrophenol	***		<50 U	<62 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			<10U	<10 U
4-Nitroaniline		<b>₩</b>	< 50 U	<52 U
4;6-Dinitro-2-methylphenol		<del></del> -	<50 U	<52 U
N-Nitrosodiphenylamine			<10 U	<10 U
4-Bromophenyl phenyl ether			<10U	<10 U
Hexachlorobenzene			<10 U	<10 U
Pentachlorophenol	<1,0	<10	<50 U	<62 U
Phenanthrene	•••		<10 U	<10 U
Anthracene		<del></del> -	<10 U	<10 U
Carbazole				
Di-n-butyl phthalata	***		<100	<10 U
Fluoranthene			<10 U	<10 U
Pyrane			<10U	<10 U
Butyl benzyl phthalate	****		<10 U	<10 U
3,3'-Dichtorobenzidine			<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 phthälate	***	<del></del>	<10 U	<10 U
Benzo(b)fluoranthene	war.		<10 U	<10 U
Benzo(k)fluoranthene			<100	<10 U
Benzo(a)pyrene			<10 U	<10 U
Indeno(1;2,3-cd)pyrene			<10 U	<10 <sup>.</sup> U
Dibenzo(a,h)anthracene	ás se as		<10 U	<10 U
Benzo(g,h,i)perylene	+++	-	<10 U	<10 U
		******************************	ACCO (00000000000000000000000000000000000	::::::::::::::::::::::::::::::::::::::

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

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Date: 02/07/96

SITE	D-08	D-08	D-08	D-08
SAMPLEID	D8-1030	D8-925	EPA Sample	D-8
CONSTITUENT (Units in ug/l) DATE	05/30/91	09/25/91	01/16/92	07/14/92
Phenol	< 10 U	<10 U	<7	***
ois(2:Chloroethyll ether	<10 U	<10 U	<7	
2-Chiorophenol	<10 U	<10 U	<7	450
1,3-Dichlorobenzene	<10 U	<10∪	<7#	
1,4-Dichlorobenzene	<10 U	<10 U	<7#	
Banzyl alcohol	<10 U	<100	<130 J	
1,2-Dichlorobenzene	<10 U	< 10 U	<7#	
2-Methylphenol	<10 U	<10∪	<7	
3is(2-chloro-1-methylethyl) ether	< 10 U	<10 U		
l-Methylphenol	<10 U	<10 U	<7	
N-Nitrosodipropyłamine	<10 U	<10 U	<7 J	
fexachloroethane	<10 U	<100	<7	+++
Vitrobenzene	<10 U	< 10 U	<7	
sophorone	<10 U	<10 U	<7	
2-Nitrophenol	<10 U	< 10 U	<16	
,4-Dimethylphenol	<10.0	<10 U	<7	
Benzoic acid	<51 U	<52 U	<82	
Bis(2-chloroethoxy) methane	<10.0	<10 U	<7	
2,4-Dichlorophenol	<10 U	< 10 U		•••
,2,4-Trichlorobenzene	<10 U	<10 U	<7#	
Naphthalane	<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	<10U	<33	
2-Methylnaphthalene	<10 U	<10 U	(0.4) J	
Hexachlorocyolopentadiene	<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	
	<10 U	<10 U	<16	
2,6-Dinitrotoluene	1,00	7.00	7,7-	

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

<sup>|</sup>#=Constituent in more than one test method, highest result reported. ()=Less than Detection Limit

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Date: 02/07/96

	SITE	D-08	D-08	D-08	D-08
	SAMPLE ID	D8-1030	D8-925	EPA Sample	D-8
CONSTITUENT (Units in ug/l)	DATE	05/30/91	09/25/91	01/16/92	07/14/92
		-40.11	-10.11	-17	
cenaphthene		<10 U	<10 U ≪52 U	<7 <82 J	***
4-Dinitrophenol		<51 U <51 U	<52 ∪ <52 U	<41	
-Nitrophenol ibenzofuren		<10 U	<10 U	<7. €7	
,4-Dinitrotoluene		< 10 U	<10 U	<16	
,4-Dillitotoidene iethyl phthalate		<10 U	<10 U	<7	44-4
-Chlorophenyl phenyl ether		< 10 U	<10 U	<7	
luorene		<10 U	<10 U	<7	***
-Nitroaniline		<51 U	<52 U		
,6-Dinitro-2-methylphenol		<51 U	<52 U	<82	
-Nitrosodiphenylamine		<10 U	<10 U	<7 J	
Bromophenyl phenyl ether		<10 U	<10 U	<7	***
exachlorobenzene		<10 U	<10 U	<7	
entachlorophenol		<61 U	(3) J	(6)#J	1.3
henanthrene		<10 U	<10 U	<7	
nthracene			<10 U	<7	
arbazole		<10 U		<33 J	
i-n-butyl phthalate		<10 U	<10 U	<7	
luoranthene	***************************************	<10 U	<10 U	<7	
yrene		<10 U	<10 U	(0.5) J	
utyi benzyi phthalate	•	<10 U	<10 U	<16	
,3'-Dichlorobenzidine		<20 U	<21 U	<160	-
enzo(a)anthracene		<10 U	< 10 U	<7	
hrysene		<10 U	<10 U	<7	
is(2-Ethylhexyl) phthalate		<10 U	(5) J	<22	
i-n-octyl phthalate		<10 U	<10 U	<7J	
enzo(b)fluoranthene		<10 U	<10 U	<7 J	
enzo(k)fluoranthene		<10 U	<10 U	<7J	
enzo(a)pyrene	***************************************	<10 U	<10 U	<7 J	мир
ideno(1,2,3-cd)pyrene		<10 U	<10 U	<7J	
ibenzo(a,h)anthracene		<10 U	<10 U	<16	
		<10 U	<10 U	<7 J	000000000000000000000000000000000000000

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

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Date: 02/07/96

SITE	D-08	D-08	D+09	D-09
SAMPLET	8-0 D	D-8	D-9	D-9
CONSTITUENT (Units in ug/l) DATE	02/03/93	05/12/93	09/13/90	01/09/91
Phenol			23	<10 U
bis(2-Chloroethyll ether			<10 U	<10 U
2-Chiorophenol		<b>4-1</b>	< 10 U	<10 U
1,3-Dichlorobenzene	7		<10 U	<10 U
1,4-Dichlorobenzene	***	400	< 10 U	<10 U
Benzyl alcohol			<10 U	<10 U
1,2-Dichlorobenzene		eaw	< 10 U	<10 U
2-Methylphenol	<b>T</b>	<u></u> -	БJ	<10 U
Bis(2-chloro-1-methylethyl) ether		•••	< 10 U	<10 U
4-Methylphenol			<10 U	<10 U
N-Nitrosodipropylamine	==4		< 10 U	<10 U
Hexachloroethana			<10 U	<10 U
Nitrobenzene		PV-	< 10 U	<10 U
Isophorone			<10 U	<10 U
2-Nitrophenol	da vi-vi		< 10 U	<10 U
2,4-Dimethylphenol			<10 U	<10 U
Benzoic acid	<del></del>		8 J	<52 U
Bis(2-chloroethoxy) methane			<10 U	<10 U
2,4-Dichlorophenal			< 10 U	<10 U
1,2,4+Trichlorobenzene			<10 U	<10 U
Naphthalene			23	16
4-Chloroaniline			<10 U	<10 U
Hexachlorobutadiene	»		< 10 U	<10 U
4-Chloro-3-methylphenol			<10 U	<10 U
2-Methylnaphthalene			17	16
Hexachlorogyolopentadiene			<10 U	<10 U
2,4,6-Trichlorophenol			<10 U	<10 U
2,4,5-Trichlorophenol			<61 U	<52 U
2-Chloronaphthalene		in the second	<10 U	<10 U
2-Nitroaniline		_	<51 U	<52 U
Dimethyl phthalate			<10 U	<10 U
Acenaphthylene			<10 ∪	<10 U
2,6-Dinitrotoluena		***	<10 U	<10 U
3:Nitroanline	***		<61 U	<52 U
	d <= Not detected at	Indicated reporting lim	it	

Values represent total concentrations unless noted <= Not detected at indicated reporting limit ---= Not analyzed

Page: 2S of 2U

Weyco Aberdeen Date: 02/07/96

SITE	D-08	D-08	D-09	D-09
SAMPLE	ID D-8	D-8	D-9	D-9
CONSTITUENT (Units in ug/l) DATE	02/03/93	05/12/93	09/13/90	01/09/91
Acenaphthene			<10 U	<10 U
2,4-Dinitrophenol			<61 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	<u>-</u>		<61 U	<52 U
N-Nitrosodiphenylamine			<10 U	<10 U
4-Bromaphenyl phenyl ether		444	<10 U	<10 ∪
Hexachlorobenzene	***		<10 U	<10 U
Pentachlorophenol	<1.0	<10	<61 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
Pyrena			<10 U	<10 U
Butyl benzyl phthalate			<10 U	<10 U
3,3'-Dichlorobenzidine		<del></del>	<20 U	<21 U
Benzo(a)anthracene			<10 U	<10 U
Chrysene			<10 U	<10 ∪
bis(2-Ethylhexyl) phthalate	4 4 4		<10 U	<10 U
Di-n-octyl phthalate	<del></del>	<del></del>	<10 U	<10 U
Benzo(b)fluoranthene			<10 U	<10 U
Benzo(k)fluoranthene			<10 U	<10 U
Benzo(e)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;l)perylene		<del></del> -	<10 U	<10 U

Values represent total concentrations unless noted <=Not datected at indicated reporting limit ---=Not analyzed

Page: 1T of 2U

Date: 02/07/96

SITE	D-09	p-09	D+09	D+09
SAMPLE ID	D9-0945	D9-925	D-9	D-9
CONSTITUENT (Units in ug/l) DATE	05/30/91	09/25/91	07/14/92	02/03/93
Phenol	<10 U	<10 U		
bis(2-Chloroethyl) ether	<10 U	<10 ∪		
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		
Hexachioroethane	<10 U	<10∪		
Nitrobenzene	< 10 U	(8) J		
Isophorone	<10 U	<10 U		
2-Nitrophenol	<10 U	<10 U	te est	
2,4-Dimethylphenel	<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		
Hexachlerocyclopentadiene	<10 U	<10 U		++-
2,4,6-Trichlorophenol	<10 U	<10 U		
2,4,5-Trichlorophenol	<62 U	<61 U		- <del></del>
2-Chloronaphthalene	<10 U	<10 U		
2-Nitroaniline	<52 U	<61 U	<del></del>	
Dimethyl phthalate	< 10 U	< 10 U		P-1
Acenaphthylene	<10 U	<10 U	<del></del>	<del></del>
2,6-Dinitrotokuene	<10 U	<10 U		
3-Nitroaniline	<52 U	<81 U		
Values represent total concentrations unless noted <=N	ot detected at in	ndicated reporting limi	t=Not analyzed	

() = Less than Detection Limit

Page: 2T of 2U

Date: 02/07/96

SITE	D-09	D-09	D-09	D-09
SAMPLEID	D9-0945	D9-925	D-9	D-9
CONSTITUENT (Units in ug/l) 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	en .	
Diberizofuren	<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	<61 U		
N-Nitrosodiphenylamine	<10 U	<10 U		
4-Bromophenyl phenyl ether	<10 U	<10 ∪		
Hexachlorobenzene	<10 U	<10 U	<b>***</b> **	
Pentachlorophenol	<52 U	<61 U	₹1.0	<1.0
Phenanthrene	<10 U	<10 U		
Anthracene	<10 U	<10 U	<u> </u>	
Carbazole				
Di-n-butyl phthalate	<10 U	<10 U	4++	
Fluoranthene	<10 U	<10 U		
Pyrene	<10 U	<10 ∪		
Butyl benzyl phthalate	<10 U	< 10 U		
3,3'-Dichlorobenzidine	<21 U	<20 U		<u>.</u>
Benzo(a)anthracene	<10 U	<10 U		
Chrysene	<10 U	<10 U		
bis(2-Ethylhexyl) phthalate	(4) J	<10 U		
Di-n-octyl phthelate	<10 U	<10 U		
Benzo(b)fluoranthene	<10 U	<10 U		
Benzo(k)fluorenthene	<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		
Berizo(g,h,i)perylene	<10 U	<10 U		-
	r, construit 2000 ann an 1860 an 1860 an 1860 an 1860 an 1860 an 1860 an 1860 an 1860 an 1860 an 1860 an 1860 a	***************************************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
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Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

For RCL 8270

1

Page: 1U of 2U

Date: 02/07/96

		******		
	SITE	D-09	PURGEWATER	
	SAMPLEID	D-9	DRUM SAMPLE	
CONSTITUENT (Units in ug/l)	DATE	05/12/93	05/25/90	
Phenol			4 J	
ois(2-Chloroethyl) ether			<10 U	
2-Chlorophenol			<10 U	
,3-Dichlorobenzene		<del></del>	<10 U	
,4-Dichlorobenzene			<10 U <10 U	
Senzyl alcohof			<10 U	
l ,2-Dichlorobenzene !-Methylphenol			<10 U	
eswetnylphenol Bis(2-chloro-1-methylethyl) ether			<10 U	
is(∠-chloro-1-metriyletriyi) etrler l-Methylphenol		ere e	2.0	
N-Nitrosodipropylamine		No. are 100	<10 U	
Hexachloroethane		***	<10 U	
Jitrobenzene			<10 U	***************************************
sophorone		•	<10 U	
2-Nitrophenol	***************************************		<10 U	
2,4-Dimethylphenol			<10 U	
Benzoic acid		***	41 J	
lis(2-chlorosthoxy) methans		***	<10 U	
,4-Dichlorophenol			<10 U	
,2,4-Trichlorobenzene		<u></u>	<10 U	
laphthalene			<10 U	
i-Chlorosniline			<10 U	
lexachlorobutadiene			<10 U	
l-Chloro-3-methylphenol			<10 U	
2-Methylnaphthalene			<10 U	
Hexachlorocyclopentadiene			<10 U	
2,4,6-Trichlorophenol			<10 U	
2,4,5-Trichlaraphenol			18.3	
2-Chloronaphthalene			<10 U	
2-Nitroaniline		-	<52 U <10 U	
Dimethyl phthalate			<10 U	
Acenaphthylene 2. 6. Digitrotolyana			<10 U	
2,6-Dinitrotoluene 3-Nitroaniline			<62 U	
	e unless noted < = Not	detected at inc	licated reporting limit=Not analyzed	
values represent total concentration	o umasa notaci  < ≃ Not	. uatavibu 8t iNC	incared toborring mitting 410r qualitan	

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Date: 02/07/96

SITE	D-09 PURGEWATER
SAMPLE II	D D-9 DRUM SAMPLE
CONSTITUENT (Units in ug/l) DATE	05/12/93 05/25/90
Acenaphthene	<10 U
2,4-Dinitrophenol	<62 U
4-Nitrophenol	<52 U
Dibenzofuran	<10·U
2,4-Dinitrotoluene	<10 U
Diethyl phthalete	<10 U
4-Chlorophenyl phenyl ether	<10 U
Fluorana	<10·U
4-Nitroaniline	<52 U
4,6-Dinitro-2-methylphenol	<62 U
N-Nitrosodiphenylamine	<10 U
4-Bromophenyl phenyl ether	<10.U
Hexachlorobenzene	<10 U
Pentachlorophenol	<10 B50/E
Phenanthrene	<10 U <10 U
Anthracene	
Carbazole	 <10 U
Di-n-butyl phthelate	<10 U
Fluoranthana	\ \ 10 U
Pyrene Butyl benzyl phthelate	<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)fluoranthane	<10·U
Benzo(a)pyrene	<10 U
Indeno(1,2,3-cd)pyrene	<10 U
Dibenzo(a,h)anthracene	<10 U
Berizo(g,h,i)perylene	<10 U
Values represent total concentrations unless noted	1 <=Not detected at indicated reporting limit=Not analyzed

Weyco Aberdeen Dissolved Metals Page: 1A of 1H

Date: 02/07/96

SITE	D-04E	D-04E	D:04E	D-04E
SAMPLE:ID	D-4	D-4E	D-4E	0-4
CONSTITUENT (Units in ug/l) DATE	07/14/92	10/27/92	02/03/93	05/12/93
Aluminum (Dissolved)	<200	< 200	< 200	<200
Antimony (Dissolved)	<50	<50	<50	<60
Arsenic (Dissolved)	< 3	<3	<3	<3
Befum (Dissolved)	<100	<100	<100	<100
Beryllium (Dissolved)	< 10	<10	<10	<10
Bismuth (Dissolved)	< 50	< 50	<50	< 60
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	2760	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
Potessium (Dissolved)	< 5000	<5000	<10000	<10000
Selsnium (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	< 600
Tin (Dissolved)	<60	<50	<50	< 60
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

Page: 1B of 1H

Date: 02/07/96

SITE	D-04E	D-05	D-05	D-05
SAMPLE ID	D-4E	D-5	D-5	D-6
CONSTITUENT (Units in ug/l) DATE	07/15/93	07/14/92	10/27/92	02/03/93
Aluminum (Dissolved)	<200	<200	<200	<200
Antimony (Dissolved)	<60	<50	<50	< 50
Arsenic (Dissolved)	<3	<3	<3	<3
Barlum (Dissolved)	<100	<100	<100	<100
Beryllium (Dissolved)	<10	<10	<10	<10
Bismuth (Dissolved)	<60	<50	<50	<60
Boron (Dissolved)	< 600	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	<60
Lithium (Dissolved)	< 60	1120	1240	1160
Magnesium (Dissolved)	11700	21900	27100	30800
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	7860	8690	10000
Selenium (Dissolved)	< 500	<200	<600	<500
Silver (Dissolved)	<10	<10	<10	<10
Sodium (Dissolved)	35000	142000	175000	186000
Strontium (Dissalved)	80	282	316	370
Thallium (Dissolved)	<600	<1000	<600	< 500
Tin (Dissolved)	<50	<50	<60	< 60
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

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Date: 02/07/96

SITE	D-05	D-05	D-06	D-06
SAMPLE ID	D-5	D-5	D-6	D-6
CONSTITUENT (Units in ug/l) DATE	05/12/93	07/16/93	07/14/92	10/27/92
Aluminum (Dissolved)	< 200	<200	< 200	<200
Antimony (Dissolved)	<50	< 50	<50	<60
Arsenic (Dissolved)	<3	<3	< 3	<3
Barium (Dissolved)	<100	<100	186	352
Beryllium (Dissolved)	<10	<10	<10	<10
Bismuth (Dissolved)	< 50	< 60	<50	<60
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	<60
Lithium (Dissolved)	1330	920	233	287
Magnesium (Dissolved)	32600	21200	57800	115000
Manganese (Dissolved)	3810	2990	9150	12100
Marcury (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
Potessium (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	763	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
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Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

For RCL METALS-D

Page: 1D of 1H Date: 02/07/96

				·
SITE	D-06	D-06	D-06	D-07
SAMPLE ID	D-6	D-6	D-6	D-7
CONSTITUENT (Units in ug/l) DATE	02/03/93	05/12/93	07/15/93	07/14/92
Aluminum (Dissolved)	<200	<200	<200	<200
Antimony (Dissolved)	< 50	< 50	< 50	< <b>5</b> 0
Arsenic (Dissolved)	<3	<3	<3	<3
Barium (Dissolved)	400	40D	400	<100
Beryllium (Dissolved)	<10	<10	<10	<10
Bismuth (Dissolved)	<60	< 50	< 50	< 605
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	<60	<20
Iron (Dissolved)	183000	168000	138000	70200
Lead (Dissolved)	< 50	<50	60	<60
Lithium (Dissolved)	330	350	350	< 60
Magnesium (Dissolved)	131000	121000	96300	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	600	< 2000
1	800	, 00	BOO	< 2000
Potessium (Dissolved)	30000	30000	30000	<5000
Potessium (Dissolved) Selenium (Dissolved)	30000 <500	30000 <500	30000 <500	<5000 <200
	30000	30000	30000 <500 <10	<5000 <200 <10
Setenium (Dissolved)	30000 <500 <10 372000	30000 <500 <10 383000	30000 <500 <10 411000	<5000 <200 <10 23200
Selenium (Dissolved) Silver (Dissolved)	30000 <500 <10	30000 <500 <10 383000 1360	30000 <500 <10 411000	<5000 <200 <10 23200
Setenium (Dissolved) Silver (Dissolved) Sodium (Dissolved)	30000 <500 <10 372000 1590 <500	30000 <500 <10 383000 1360 <500	30000 <500 <10 411000 1220 <500	<5000 <200 <10 23200 469 <1000
Selenium (Dissolved) Silver (Dissolved) Sodium (Dissolved) Strontium (Dissolved)	30000 <500 <10 372000 1590	30000 <500 <10 383000 1360 <500	30000 <500 <10 411000 1220 <500	<5000 <200 <10 23200 469 <1000 <50
Selenium (Dissolved) Silver (Dissolved) Sodium (Dissolved) Strontium (Dissolved) Thallium (Dissolved)	30000 <500 <10 372000 1590 <500	30000 <500 <10 383000 1360 <500	30000 <500 <10 411000 1220 <500	<5000 <200 <10 23200 469 <1000

Values represent total concentrations unless noted <= Not detected at indicated reporting limit ---= Not analyzed

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Date: 02/07/96

			D-07	D-07
SITE SAMPLE ID	D-07 D-7	D-07 D-7	D-7	D-7
CONSTITUENT (Units in ug/l) DATE	10/27/92	02/03/93	05/12/93	07/16/93
CONSTITUENT (Grade in agri)				
Aluminum (Dissolved)	<200	< 200	<200	<200
Antimony (Dissolved)	<50	<60	< 50	<60
Arsenic (Dissolved)	<3	<3	<3	<3
Barium (Dissolved)	<100	<100	<100	<100
Beryllium (Dissolved)	<10	<10	<10	<10
Bismuth (Dissolved)	< 50	< 50	<60	<60
Boron (Dissolved)	< 500	< 500	< 500	< 500
Cadmium (Dissolvad)	<10	<10	<10	<10
Calcium (Dissolved)	28200	31200	29900	30800
Chromium (Dissolved)	<10	<10	<10	<10
Cobalt (Dissolvad)	<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 (Diesolved)	<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)	<60	< 50	<60	<60
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

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SITE	D-08	D-08	D-08	D-08
SAMPLE ID	D-8	D-8	D-8	D-8
CONSTITUENT (Units in ug/l) DATE	07/14/92	10/27/92	02/03/93	05/12/93
Aluminum (Dissolvsd)	< 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 (Dissalved):	<20	<20	<50	< 60
iron (Dissolved)	37600	30600	23500	24600
Lead (Dissolved)	<50	<50	< 50	<50
Lithium (Dissolved)	127	201	100	80
Vagnesium (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 (Dissolvad)	< 6000	< 5000	<10000	<10000
Selenium (Dissolved)	< 200	< 500	< 500	<500
Silver (Dissalved)	<10	<10	<10	<10
Sodium (Dissolved)	56400	64300	36000	35000
Strontium (Dissolved)	2.26	218	160	150
Thallium (Dissolved)	<1000	< 500	<500	<500
Tin (Dissolved)	< 60	<60	<50	<60
Vanadium (Dissolved)	< 10	<10	<10	<10
Zinc (Dissolved)	<20	<20	<20	<20
-1	ĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ	000000000000000000000000000000000000000	500.0500.0000.0000.0000.0000.00000.00000.00000	varias proposas apropas proposas (1966) (1966) (1966) (1966) (1966) (1966) (1966) (1966) (1966) (1966) (1966)

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

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	SITE	D-08	D-09	D-09	D:09
	SAMPLE ID	D-8	D-9	D-9	D:9
CONSTITUENT (Units in ug/l)	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	<60	< 60
Boron (Dissolved)		< 500	< 500	< 500	< 500
Cadmium (Dissolved)		<10	<10	<10	<10
Calcium (Dissolved)		23700	13700	15800	15200
Chromium (Diesolved)		<10	<10	<10	<10
Cobalt (Dissolved)		<10	<10	12	10
Copper (Dissolved)		<60	<20	<20	<50
Iron (Dissolved)		35300	33000	38700	35700
Lead (Dissolved)		< 50	<60	<50	<50
Lithium (Dissolved)		110	< 50	<50	<60
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	<b>&lt;</b> 50
Vanadium (Dissolved)	en en en en en en en en en en en en en e	<10	<10	<10	<10
Zinc (Dissolved)		<20	<20	<20	<20

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

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				,
	SITE D-09 SAMPLE ID D-9	D+09 D-9		
CONSTITUENT (Unite in ug/l)	DATE 05/12	/93 07/16/9	33	
Aluminum (Dissolved)	<200	<200		
Antimony (Dissolved)	<50	<60		
Arsenic (Dissolved)	<3	<3	***************************************	
Barium (Dissolvad)	<b>&lt;</b> 100	<100		
Beryllium (Dissolved)	<10	<10	***************************************	***************************************
Bismuth (Dissolved)	< 50	<50		
Boron (Dissolved)	< 500	< 500	2,000,000,000	201/201010101010101010101010101010101010
Cadmium (Dissolved)	<10	<10		
Calcium (Dissolved)	1210	0 12100	***************************************	
Chromium (Dissolved)	<10	<10		
Cobalt (Dissolved)	10	10	***************************************	
Copper (Dissolved)	<50	<50		
ron (Dissolved)	2960	31000	***************************************	•
ead (Dissolved)	<50	<50		
.ithium (Dissolved)	<50	< 50		
Magnesium (Diesolved)	1100	0 9800		
/Janganese (Dissolved)	3340	3340		
- Mercury (Dissolved)	<0.2	<0.2		
Aolybdenum (Dissolved)	<10	<10		
Jickel (Dissolved)	<30	<30		
Phosphorus (Dissolved)	400	500		
otessium (Dissolved)	<100	000 <1000	00	
Gelenium (Dissolved)	< 500	< 500		
Silver (Dissalved)	<10	<10		
Sodium (Dissolved)	4100	0 31000		
Strontium (Dissolved)	160	170		
Fhallium (Dissolved)	< 500	< 500		
(in (Dissolved)	<50	<50		
	<10	<10	···	
Vanadium (Dissolved)				######################################
	<20	<20		
		<20		
Vanadium (Dissolved) Zinc (Dissolved)		<20		
		<20		

Values represent total concentrations unless noted <=Not datected at indicated reporting limit ---=Not analyzed

Total Metals

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Date: 02/07/96

SITE	D-01	D:02	D-04E	D-04E
SAMPI		EPA Sample	EPA Sample	D-4
CONSTITUENT (Units in ug/l) 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	<60
Arsenic	w-	2.2	9.78	11
Berlum	816	76.4	6OD	<b>529</b>
Beryllium	3,5	<1	3.2	<10
Bismuth				<50
Boron		<del>**</del> *		< 500
Cadmium	0.75	0.11	2.8#	<10
Calcium		<b></b>		16200
Chromium	68.2	<5	54.3	58
Cobalt	36.7	21.5	41.8	<b>51</b>
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	1.6	2.1
Molybdenum				<10
Nickel	50	<10	31	40
Phosphorus				2240
Potassium	5540	2000	7830	7360
Selenium	<2	<2	<2	<200
Silver				<10
Sodjum	60560	32500	67400	69800
Strontium				209
Thallium	<2.5 NE	<2.5 NE	<2.5 NE	<1000
Tin	<del></del>	45.5	205	< 50
Vanadium	303	15.6	205	222
Zina	159	27.6	182	172
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.

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Date: 02/07/96

SITE	D-04E	D-04E	D-04E	D-04E
SAMPLE ID	D-4E	D-4E	D-4	D-4E
CONSTITUENT (Units in ug/l) DATE	10/27/92	02/03/93	05/12/93	07/15/93
Aluminum	42500	26600	13200	15200
Antimony	<60	<50	< 50	<60
Arsenic	3	<3	<3	<3
Barium	217	100	<100	< 100
Beryllium	<10	<10	<10	<10
Blsmuth	<60	<b>&lt;</b> 50	< 50	< 50
Boron	< 500	< 500	< 500	< 500
Cadmium	<10	<10	<10	<10
Calcium	12100	1.5600	11900	10500
Chromium	22	<10	<10	10
Cobalt	19	<10	<10	<10
Copper	36	<20	<20	<20
fron	41600	39900	30300	27000
Lead	<50	<50	<60	< 50
Lithium	< 50	< 50	< 50	< 50
Magnesium	16600	21300	15900	12700
Manganese	2280	2850	2400	2050
Mercury	0.6	0,3	< 0.2	<0.2
Molybdenum	< 10	< 10	<10	<10
Nickel	<30	<30	<30	<30 500
Phosphorus	950	500	500	< 10000
Potassium	< B000	<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 < 50
Tin	< 50	<50	< 50	\$500,0000000000000000000000000000000000
Vanadium	81	60	30	30
Zinc	63	40	20	20

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

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Date: 02/07/96

SITE	D-05	D-05	D-05	D-05
SAMPLE ID	EPA Sample	D-5	D-5	D-5
CONSTITUENT (Units in ug/II) DATE	01/16/92	07/14/92	10/27/92	02/03/93
Aluminum	22810	23800	3750	19200
Antimony	<1 N	<50	<60	<60
Arsenic	4	4	<3	<3
Barium	167	147	<100	200
Beryllium	<1.0	<10	<10	<10
Bismuth		<50	<60	<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	<60
Lithium		1340	1270	1190
Magnesium	24900	27400	28200	83600
Manganese	3830	3540	3440	4470
Marcury	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		<60 -	<50	< 60
Vanadium	67.5	67	15	60
Zine	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.

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	SITE	D-05	D-05	D-06	D-06
	SAMPLE ID	D-6	D-6	D-6	EPA Sample
CONSTITUENT (Units in ug/l)	DATE	05/12/93	07/15/93	01/16/92	01/16/92
Aluminum		2200	20700	68300	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
Blamuth		< 50	<50	44-1	
Boran		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	at mater	
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		<del></del>
Thallium		< 500	<500	(1.0)	< 2.5 NE
Tin		<50	<50		
Vanadium		<10	60	204 E	171
Zine		<20	50	91.0	108

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

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Date: 02/07/96

SITE	D-06	D-06	D-06 D-6	D-06 D-6
SAMPLE ID  CONSTITUENT (Units in ug/l) DATE	D-6 07/14/92	D-6 10/27/92	02/03/93	06/12/93
CONSTITUENT (Units in ug/l) DATE	01/14/02	10/27/02	02,00,00	50,1255
Aluminum	105000	26800	59800	10300
Antimony	<50	<60	<50	<50
Arsenic	Б	<30	<3	<3
Barjum	585	460	700	400
Beryllium	<10	< 10	<10	<10
Bismuth	< 50	< 60	<50	<60
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
Соррег	186	50	100 225000	<20 161000
lron	150000	176000	228000 60	< 50
Lead	72	<50 319	380	330
Lithium	317 64600	116000	141000	110000
Vagnesium Vasannaa	9250	12100	15500	12000
Manganese **	0.4	<0.2	< 0.2	<0.2
Mercury 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	1680	1800
Thallium	<1000	<500	< 500	< 500
Tin	<50	<50	<50	< 50
Vanadium	261	86	180	30
Zinc	121	60	110	< 20

Values represent total concentrations unless noted <= Not detected at indicated reporting limit ---= Not analyzed

Date: 02/07/96

				_
SITE	D-06	D-07	p-07	D-07
SAMPLE ID	D-6	EPA Sample	D-7	D-7 10/27/92
CONSTITUENT (Units in ug/l) DATE	07/16/93	01/16/92	07/14/92	10(21)82
Attacker	24800	263000	231000	39300
Aluminum Antimony	< 50	<1 N	<50	< 50
Arsenic	<3	11.8	17	3
Barlum	600	1660	1120	233
Beryllium	<10	6.8	<10	<10
Bismuth	<60		< 50	<50
Boron	< 600		< 500	< 500
Cadmium	<10	1.74	<10	<10
Calcium	76600	***	37900	30200
Chromium	20	136	108	18
Cobalt	10	63	70	15 52
Copper	<20	386	283	89100
lron	141000	219000 25:4	185000 117	<50
Lead	70 370	∠b.4 	- 11 <i>7</i> - 50	<50 <50
Lithium	93200	30700	30100	21200
Magnesium Managenee	10600	31700	25700	21900
Manganese	<0.2	10,2	6.9	1.5
Mercury Molybdenum	<10		<10	<10
Nickel	<30	115	116	<30
Phosphorus	1000		<b>Б44</b> 0	1190
Potessium	30000	3730	<5000	< 5000
Selenium	<500	<2	<200	<500
Silver	<10		14	<10
Sodium	419000	18400	26500	23300
Strontium	1180	<del></del>	727	523
Thellium	< 500	<2.5 NE	<1000	< 500
Tin	<50		<50	< 50
Vanadium	60	499	481	90
Zine	30	317	220	48

Values represent total concentrations unless noted <= Not detected at indicated reporting limit ---= Not analyzed

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Date: 02/07/96

SITE	D-07 EID D-7	D-07 D-7	D-07 D-7	D-08 EPA Sample
SAMPLI CONSTITUENT (Unite in ug/l) DATE	02/03/93	05/12/93	07/15/93	01/16/92
•				
Juminum	153000	58300	22200	18000
ntimony	< 50	<60	<50	<1 N
rsenic	<3	3	<3	2.9
arium	700	300	100	105
eryllium	<10	<10	<10	<1
ismuth	< 50	< 60	<50	
oron	< 500	< 500	< 500	
admium	<10	<10	<10	0.36
alcium	35100	28400	31100	 19
hromium	90	30 30	20	1 <i>9</i> 12
obalt	30 190	20 70	<10 <20	43
оррег	153000	96600	86500	39600
on	70	<b>≠6000</b>	<50	24.3
ead	/O < 50	<50	<50	
ithium	25500	19700	2040Q	11100
lagnesium langanese	26200	19500	21300	2990
Percury	4.0	1.7	0.6	0.792
lolybdenum	<10	<10	<10	
ickel	70	<30	<30	13
hosphorus	3600	1600	700	
otassium	<10000	<10000	< 10000	4400
elenium	< 500	< 500	<500	<2
llver	<10	<10	<10	-
odium	20000	18000	22000	40400
trontium	610	460	470	
hallium	< 500	<500	<500	< 2.5 NE
in	<50	<b>&lt;</b> 50	< 60	
anadium	330	120	40	50,5
inc	170	60	<20	181

Values represent total concentrations unless noted <= Not detected at indicated reporting limit ---= Not analyzed

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rco Aberdeen	Date: 02/07/96

•				
SITE	D-08	D-08	D-08	D-08 D-8
SAMPLE ID	D-8	D-8	D-8	
CONSTITUENT (Units in ug/l) DATE	07/14/92	10/27/92	02/03/93	05/12/93
	40700	3960	8300	4000
Aluminum	49700	<50	<50	4000 <50
Antimony	<50	School Contraction of the Contra	<3	<3
Arsenic	6	<3 ≪100	<100	<100
Berlum 	290			<10
Beryllium	<10	<10	<10 <50	<50
Blamuth	< 50	<60	< 500	< 500
Boron	< 500	<500		<10
Cadmium	<10	<10	<10	******************
Calcium	33700	18500	16400	15400
Chromium	49	<10	<10	<10
Cobalt	27	<10	< 10	<10
Соррег	119	<20	<20	<20
Iron	95700	34400	33500	29300
Lead	120	<50	<50	< 50
Lithium	155	205	110	
Aagnesium	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	< 6000	<10000	<10000
Selenium	<200	<500	<500	< 500
Silver	<10	<10	<10	<10
Sodium '	67700	65100	37000	33000
Strontium	324	224	180	160
Thallium	<1000	< 500	< 500	< 500
Tin	< 60	<60	<50	< 50
Vanadium	150	13	30	10
Zino	586	63	110	60
			***************************************	

Values represent total concentrations unless noted <= Not detected at indicated reporting limit ---= Not analyzed

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Date: 02/07/96

		SITE	D-08	D-09	D-09	D-09
		SAMPLE ID	D-8	D-9	D-9	D-9
CONSTITUENT	(Units in ug/l)	DATE	07/15/93	07/14/92	10/27/92	02/03/93
					4500	2000
Aluminum			3700	24700	4580	6900
Antimony			<50	<50	<50	< 50 < 3
Arsenic			<3	8 136	< 3	<100
Barlum 			<100		<100	< 10
Beryllium			<10	<10 <50	<10 <50	<50
Blamuth -			< 500	< 500	< 500	< 500
Boron			< 500	<10	<10	<10
Cadmium			<10 23300	18000	16400	16600
Calcium			23300 10	24	<10 <10	<10
Chromium			< 10	37	16	20
Cobalt			<20	71	.c <20	20
Copper			38800	66100	45200	46300
Iron			<50	104	<50	<50 <50
Lead Lithium			120	< <b>5</b> 0	<50	< 50
**************************************			11100	17200	17300	16500
Magnesium 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	<b>≮</b> 5000	<b>≮</b> 5000	<10000
Selenium			< 500	< 50	< 500	<500
Silver			<10	<10	<10	<10
Sodium		,	<1000	42700	66300	76000
Strontium			230	266	251	250
Thallium		4,404,404,400,000,000,000,000,000,000,0	< 500	<1000	< 500	< 500
Tin			<60	<:60	<60	<60
Vanadium			20	82	20	30
Zinc			60	135	40	60
2000		\$4,90.000 (100 to 00 to 00 to 00 to 00 to 00 to 00 to 00 to 00 to 00 to 00 to 00 to 00 to 00 to 00 to 00 to 00	2000 S - COLOR DE COLOR DE COLOR DE COLOR DE COLOR DE COLOR DE COLOR DE COLOR DE COLOR DE COLOR DE COLOR DE C		And a control of the control of the control of the control of the control of the control of the control of the	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

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SITE	D-09	D-09
SAMPLE ID	D-9	D-9
CONSTITUENT (Units in ug/l) DATE	05/12/93	07/15/93
Aluminum	1600	3500
Antimony	<60	< 60
Arsenic	<3	<3
Barium	<100	<100
Beryllium	<10	<10
Biamuth	<50	< 50
Boron	<500	< 500
Cadmium	<10	<10
Caloium	11900	12900
Chromium	<10	<10
Cobalt	10	10
Copper	<20	<20
lron .	31900	37000
Lead	<50	<50
Lithlum	<50	<50
/lagnesium	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	<b0< td=""></b0<>
Vanadium	<10	10
Zine	<20	<20
	**************************************	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Pesticides

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Date: 02/07/96

SITE SAMPLE ID	D-01 EPA Sample	D-02 EPA Sample	D-04E EPA Sample	D-05
CONSTITUENT (Units in ug/l) DATE	01/16/92	01/16/92	01/16/92	EPA Sample 01/16/92
alpha-BHC	**-			,
beta-BHC				
delta-BHC	***			
Lindane				
Heptachlor				
Aldrin			-1-1	
Heptachlor epoxide				•**
Endosultan i				
Dieldrin	###			
4,4'-DDE				
Endrin		(e-e-10)		
Endosulfan II	***	***		
4,4'-DDD				
Endosulfan sulfate		<u></u>		
4,4'-DDT				
Methaxychlor  [Endrin ketone		<del></del>		
Endrin aldehyde alpha-Chlordane	<del></del>	·		
gamma-Chlordane	<del></del>			
Toxaphene		<b></b>		
Arocior 1016	<0.14	< 0.13	< 0.23	<0.32
Arodor 1221	<0.14	<0.13	<0.23	<0.32
Araclor 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

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SITE	D-05	D-06	D-06	D-07
SAMPLEID	D-5 WEY AB	D-6	EPA Sample	EPA Sample
CONSTITUENT (Units in ug/l) 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	<u></u>	<u></u>
Dieldrin	<0.20 U	<0.20 U		
4,4'-DQE	<0.20 U	<0.20 U		
Endrin	<0.20 U	<0.20 U	***	
Endosulfan II	<0.20 U	<0,20 U	444	
4,4'-DDD	<0.20 U	<0.20 U		***
Endosulfen sulfete	<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	444	
aipha-Chlordane	<0.20 U	<0.20 U	Op the Op	
gamma-Chlordana	<0.20 U	<0.20 U		1.11
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
Arcolor 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
Aradior 1260	<2.0 U	<2.0 U	<0,13	(0.06) J
				}

Values represent total concentrations unless noted <= Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

For RCL PEST

Page: 1C of 1C Date: 02/07/96

SITE SAMPLE ID CONSTITUENT (Unite in ug/l) DATE	D-08 EPA Sample 01/16/92
CONSTRUCER (CIME II AUI) DATE	6111032
alpha-BHC	
beta-BHC	
delta-BHC	
Lindans Heptachlor	
Aldrin	
Heptachlor epoxide	
Endosulfen I	
Dieldrin	
4,4%-DDE	
Endrin	
Endosulfan II	
4,4'-DDD	
Endosulfan sulfate 4,4'-DDT	
Methoxychlor	
Endrin ketone	
Endrin aldahyda	
alpha-Chlordane	'
gamma-Chlordane	
Toxaphene	••-
Arocior 1016	<0.13
Arocior 1221	<0.13
Aroclor 1232	< 0.26
Aroclor 1242	<0.13
Aroclor 1248	<0.13
Aroclor 1254	< 0.13
Aroclor 1260	(O.1) U

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

For RCL PEST

Phenols

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Date: 02/07/96

SITE	D-01	D:01	D-01	D-01
SAMPLEID	WELL D-1	ABERDEEN D-1	D-1	D-1 9-25 1230
CONSTITUENT (Units in ug/l) DATE	06/25/90	08/15/90	05/30/91	09/25/91
Pentachlorophenol	<52 U	< 200 U	< 52 U	< 52 U
Pentachlorophenol (GC/ECD)	<u></u>			
Phenoi	<10 U	<20 U	<10 U	<10 U
2-Chlorophenol	<10 U	<20 U	<10 U	<10 U
3-Chlorophenol		kee		
4-Chlaraphenol				
2,4-Dichlorophenol	<10 U	<20 U	<10 U	<10 U
2,5-Dichlorophanol				
			•==	
2,3,4-Trichlorophenol				
2,4,5-Trichlorophenol	<52 U	< 100 U	< 52 U	<52 U
2,4,6-Trichlorophenol	<10 U	<20 ∪	<10 U	<10 U
3,4,5-Trichlorophenol				
2,3,4,5-Tetrachlorophenol	<del></del> -	<u></u>		
2,3,4,6-Tetrachiorophenol		-1-		
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

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Date: 02/07/96

		SITE	D-01	D-01	D-01	D-01
		SAMPLE ID	EPA Sample	D-1 WEY AB	D-1	D-1
CONSTITUENT	(Units in ug/l)	DATE	01/16/92	01/16/92	07/14/92	10/27/92
Pentachloropheno	ol		<0.03#	***	<28 U	<26 U
Pentachlorophan	ol (GC/ECD)			<1		
Phenol			<1		<11 U	<10 U
2-Chlorophenel			<1		<11 U	<10 U
3-Chlorophenol						
4-Chlorophenol			***	<del></del>	-44 11	<10 U
2,4-Dichlorophen					<11 U	<100
2,5-Dichlorophen	iol			<del></del>		
2,3,4-Trichleropt	A VEST CONTROL OF THE PARTY OF		<0.2#	<del></del>	<28 U	<26 U
2,4,5-Trichloroph			<0.1#		<11 U	<10 U
2,4,6-Trichlorapl	100 Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Maria Mari					
3,4,5-Trichloroph			<0.05			
2,3,4,5-Tetrachle 2,3,4,6-Tetrachle			<0.05			
2,3,4,6-Tetrachi 2,3,5,6-Tetrachi						
2-Methylphenol	di aprilono:		<1		<11 U	<10 U
3-Methylphenol						
4-Methylphenol		***************************************	<1		<11 U	<10 U
2,4-Dimethylphe	nol		<1		<11 U	<10 U
4-Nitrophenol		***************************************	<8	www.lw-	<28 U	<26 U
			2.6 JX			
***************************************	***************************************	occurrence and a second				
The state of the s						
					www.www.co.co.co.co.co.co.co.co.co.co.co.co.co.	
			*********************************		***********************	

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed #=Constituent in more than one test method, highest result reported.

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Date: 02/07/96

SITE	D-01	D-01	D-01	D:02
SAMPLE ID	D-1	D-1	D-1	WELL D-2
CONSTITUENT (Units in ug/l) DATE	02/03/93	05/12/93	07/15/93	05/25/90
Pentachlorophenol	<26 U	<31 U	< 50 U	83
Pentachlorophenoi (GC/ECD)				
Phenol	<10 U	<12 U	<20 U	<10 U
2-Chlorophenal	<10 U	<12 U	<20 U	110
3-Chlcrcphenol	No. 40 PP -			
4-Chlaraphenol		++-		
2,4-Dichlorophenol	<10 U	<12 U	<20 U	<10 U
2;6-Dichlorophenol	<u></u> -	<del>-</del>		
2,3,4-Trichlorophenol			<del></del>	
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	<del></del>	<u></u>	• <del>••</del>	
2,3,4,6-Tetrachlorophenol				
2,3,6,6-Tetrachlorophenol	-40.11		<20 U	<10 U
2-Methylphenol	<10 U	<12 U	<b>\200</b>	<b>~100</b>
3-Methylphenol		<12 U	<20 U	<10 U
4-Methylphenol	<10 U <10 U	<12 U	<20 U	<10 U
2,4-Dimethylphenol	<26 U	<31 U	< 50 U	190
4-Nitrophenol	<b>\200</b>	70.0	100 0	
			***************************************	***************************************
				**************************************
		,		
Values represent total concentrations unless noted	< = Not detected at ind	icated reporting lim	it = Not analyzed	····
<u>'</u>				

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Date: 02/07/96

SITE	D-02:	D-02	D-02	D-02
SAMPLE III		D-2	D-2	D-2 9-25 1000
CONSTITUENT (Unite in ug/l) DATE	08/15/90	01/09/91	05/30/91	09/25/91
Partackiaranhanai	<100 U	<53 U	<52 U	<51 U
Pentachlorophenol Pentachlorophenol (GC/ECD)				<del>-112</del>
Phenol	<20 U	<11 U	<10 U	<10 U
2-Chlorophenol	<20 U	<11 U	<10 U	<10 U
3-Chlorophenol				
4-Chlaraphenol				
2,4-Dichlorophenol	<20 U	<11 U	<10 U	<10 U
2,6:Dichlorophenal	<del></del>			
2,3.4-Trichlorophenol			 	
2,4,5-Trichlorophenol	< 100 U	< 53 U	<52 U	<51 U
2,4,6-Triohlaraphenol	<20 U	<11 U	<10 U	<10 U
3,4,5-Trichlorophenol				440
2,3,4,6-Tetrachlorophenol		<u></u>	<u></u>	
2,3,4,6-Tetrachlorophenol				***
2,3,5,6-Tetrachlorophenol	<20 U	 < 11 U	<10 U	<10 U
2-Methylphenol	<b>\200</b>	<b>VII 0</b>	7100	
S-Methylphenol 4-Methylphenol	<20 U	<11 U	(2) J	<10 U
2,4-Dimethylphenal	<20 U	<11 U	<10 U	<10 U
4-Nitrophenol	<100 U	<53 U	<52 Ų	<51 U
Values represent total concentrations unless noted	i <=Not detected at indic	ated reporting lim	it=Not analyzed	
() = Less than Detection Limit				

Page: 1E of 1AB Date: 02/07/96

SITE D:02 D:02 D:02 D:02 D:02 D:02  SAMPLE ID EPA Sample D:2 WEY AB D:2 D:2  CONSTITUENT (Units in ug/I) DATE 01/16/92 01/16/92 07/14/92 10/27/9  Pentachlorophenol <0.03# <26 U <26 U	<b>32</b>
Pentachiotophenot	
, sites is specifically and the specifical s	
Pentachlorophenol (GC/ECD) <1	
Phenol <1 <10 U	
2-Chlorophenol <1 - <10·U <10·U	
3-Chlorophenol	
4:Chlaraphenol	
2,4-Dichlorophenol <10 U <10 U	************
2,6-Dichlorophenol	
<del></del>	
2,3,4-Trichlorophenol	
2,4,5-Trichlorophenol <0.2# <28 0 <28 0 2.4,6-Trichlorophenol <0.1# <10 U <10 U	
3,4,5-Trichlorophenol	
2,3,4,5-Tetrechlorophenol <0.05	
2,3,4,6-Tetrachlorophenol <0.05	***************************************
2,3,5,6-Tetrachiarophenol	
2-Methylphenol <1 <10 U <10 U	
3-Methylphenol	
4-Methylphenol <1 <10 U <10 U	
2,4-Dimethylphenol ≤1 <10.U <10.U	606308803000000000000000000000000000000
4-Nitrophenol <8 <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.

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	SITE	D-02	D-02	D-02	D-03
	SAMPLE ID	D-2	D-2	D-2	D-38
CONSTITUENT (Unite in ug/l)	DATE	02/03/93	05/12/93	07/15/93	05/28/90
Pentachlorophenol		<26 U	<30 U	<50 U	<51 U
Pentachlorophenol (GC/ECD)			-4011	.00.11	-40.11
Phenol		<10 U	<12 U	<20 U <20 U	<10 U <10 U
2-Chlorophenol 3-Chlorophenol		< 10 U	<12 U 		
4-Chlorophenol					***
2,4-Dichlorophenol		<10 U	<12 U	<20 U	<10 U
2,5-Dichlorophenal				<del></del>	<del></del>
2,3.4-Trichlorophenal					
2,4,5-Trichlorophenol		<26 U	<30 U	<50 U	<51 U
2,4,6-Trichlaraphenol		<10 U	<12 U	<20 U	<10 U
3,4,5-Trichlorophenol					
2,3,4,5-Tetrachiorophenal					
2,3,4,6-Tetrachlorophenol				4	
2,3,5,6-Tetrachlorophenol					<del></del>
2-Methylphenol		<10 U	<12 U	<20 U	<10 U
3-Methylphenol					
1-Methylphenol		<10 U	<12 U	<20 U	<10 U
2;4-Dimethylphenol		<10 U	<12 U	<20 U <50 U	<10 U <51 U
4-Nitrophenol		<26 U	<30 U	< 80 0	2010
			-		
Values represent total concentrations o	unless noted <=Not	t detected at indica	sted reporting limit	= Not analyzed	

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Date: 02/07/96

SITE	D-03	D-03	D-03	D:03
SAMPLE ID	ABERDEEN D	3 D-3	D-3	D-3 9-25 0930
CONSTITUENT (Units in ug/l) DATE	08/15/90	01/09/91	05/30/91	09/25/91
			150.11	45011
Pentachlorophenol	<100 U	<50 U	<52 U	< 56 U
Pentachlorophenol (GC/ECD)	< 20 U	<10 U	< 10 U	< 11 U
Phenol 2-Chlorophenol	<20 U	<10 U	<b>≮10</b> U	<11.U
3-Chlorophenol				
4-Chlaraphenal			4-4	
2,4-Dichlorophenol	< 20 U	<10 U	<10 U	<11 U
2,5-Dichlorophenol				
2,3,4-Trichlarophenol	 <100 U	<50 U	<52 U	< 56 U
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	< 20 U	<10 U	<10 U	<11 U
2,4,6-trichlorophenol				
2,3,4,6-Tetrechlorophenol	-		-	
2,3,4,6-Tetrachlorophenol				
2,3,5,6-Tetrachlorophenol				
2-Methylphenol	< 20 U	<10 U	<10 U	<11 U
3 Methylphenol	***		<10 U	<11 U
4-Methylphenol	<20 U <20 U	<10 U ≪10 U	<10 U	<11U
2.4-Dimethylphenol 4-Nitrophenol	< 100 U	<50 U	<52 U	< 56 U
4-Mitophenoi				
			***************************************	
Values represent total concentrations unless noted <= N	lot detected at inc	dicated reporting limit	=Not analyzed	

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Date: 02/07/96

	SITE	D-03	D-03	D-03	D-03
	SAMPLE ID	D-3	D-3	0-3	D-3
CONSTITUENT (Units In ug/l)	DATE	07/14/92	10/27/92	02/03/93	05/12/93
Pentachlorophenol		<26 U	<26 U	<28 U	<26 U
Pentachlorophenol (GC/ECD)			4014	-44.11	-10.11
Phenol	***************************************	<11 U	< 10 U	<11 U <11 U	<10 U ≪10 U
2:Chlorophenol 3-Chlorophenol		<11 U			
4-Chlorophenol		***			
2,4-Dichlorophenol		<11 U	<10 U	<11 U	<10 U
2.5-Dichlorophenol		- <del></del>	<del></del> -		<u></u>
2,3,4-Trichlorophenol					
2,4,5-Trichlorophenol		<26 U	<26 U	<28 U	<26 U
2,4,6:Triahlaraphenol		<11 U	<10 U	<110	<10 U
3,4,5-Trichlorophenol					
2,3,4,6-Tetrachlorophanal		<del></del>			
2,3,4,6-Tetrachlorophenol					
!;3;5;6:Tetrachlorophenol 2-Methylphenol		<11 U	< 10 U	<11 U	<10 U
s:Methylphenol	()				
-Methylphenol		<11 U	2 J	<11 U	<10 U
?.4-Dimethylphenal		<11 U	<10 U	<11 U	<10 U
I-Nitrophenol		<26 U	<26 U	<28 U	< 26 U
					<del></del>
				*******************************	
Values represent total concentration	ns unless noted <=	= Not detected at inc	licated reporting limit	= Not analyzed	

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SITE	D:03	D-03 D-3	D-04E D-4	D-04E ABERDEEN D-4
SAMPLE CONSTITUENT (Units in ug/l) DATE	D-3 07/16/93	10/20/93	05/28/90	08/15/90
No No	< 60 U		24 J	6 J
entachlorophenol entachlorophenol (GC/ECD)	<b>200</b> 0	<1	<u></u> -	
Phenol	< 20 U	***	<10 U	<20 U
-Chlorophenol	<20 U		<10 U	<20 U
I-Chlorophenol			25 JX	72 JX
Chlorophenol	+			
2,4-Dichlorophenol	<20 U	· 	<10 U	<20 U
l,6-Dichlorophenol	<del></del>			
			13 JX	96 JX
;3,4-Trichlorophenol				
2,4,5-Trichlorophenol	<50 U		8 J	5 J
.4.6-Trichlorophenol	<20 ∪		<10 U	<20 U
,4,5-Trichlorophenol	www.			<del></del>
2,3,4,5 Tetrachlorophanol			9.1 JX	
2,3,4,6-Tetrachlorophenol			9.1 JA	
.,3,5,6-Tetrachlorophenol	<20 U		< 10 U	<20 U
2-Methylphenol 3-Methylphenol	<b>\25</b> 5			
metryphenol Methylphenol	<20 U	<del></del>	6 J	79
?:4-Dimethylphenol	<20 ∪		<10 U	<20 U
l-Nitrophenol	<50 U		<61 U	<100 U
	<del></del>			***
	***************************************	***************************************		

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Date: 02/07/96

SITE	D-04E	D-04E	D-04E	D-04E
SAMPLE ID	D-4E	D4E-1010	D4E-925	D-4E
CONSTITUENT (Units in ug/l) DATE	01/09/91	05/30/91	09/25/91	12/18/91
Pentachlorophenol	<52 U	<50 U	<52 U	
Pentachlorophenol (GC/ECD)			<del></del>	2
Phenol	<10 U	<10 U	<10 U	
2-Chlorophenal 3-Chlorophenal	<10 U 	<10 U 	<10:U 	<del></del>
4-Chlorophenol	+ <del></del> <10 U	~ <10 U	 <10 U	
2,4-Dichlorophenol	< 10.0	V 10 0	<100	
2,5-Dichlorophenol				***
2,3,4-Trichlorophenol				
2,4,5-Trichlorophenol	< 52 U	<50 U	<52 U	
2,4,6-Trichlaraphenol	<10 U	<10 U	<10 U	
3,4,5-Trichlorophenol				
2,3,4,5-Tetrachlorophenol		<del></del>	<del></del> -	<u></u> -
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 <52 U	<del>***</del>
4-Nitrophenol	< 52 U	<50 U	<62 U	
	<del></del>	<del></del>		
	·	· · · · · · · · · · · · · · · · · · ·	,	
Values represent total concentrations unless noted <	=Not detected at ind	licated reporting lim	it=Not analyzed	

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Date: 02/07/96

SITE	D-04E	D:04E	D-04E	D-04E
SAMPLE CONSTITUENT (Units in ug/l) DATE	EID D-4E 01/16/92	EPA Sample 01/16/92	D-4 07/14/92	D-4E 10/27/92
CONSTITUENT (Units in ug/l) DATE	01/10/32	VIIIVINE	W. P. L. T. L. Marie	
Pentachlorophenol	***	<0.063#	<1.0	
Pentachlorophenol (GC/ECD)	<1			<10
Phenol	g.==	<8		
2-Chlorophenol 3-Chlorophenol	<del></del>	<8 	<del></del>	
4-Chlorophenol				
2,4-Dichlorophenol				
2,6 Dichtorophenal				
2,3,4-Trichlorophenol	 <del></del> -			<del></del>
2,4,5-Trichlorophenol	in the second se	<0.24#		
2,4,6-Trichlorophenol		<0.12#		
3,4,5-Trichlorophenol				
2,3,4,6-Tetrachiorophenol	<del></del>	<0.06 <0.06	<1.0 <1.0	
2,3,4,6-Tetrachlorophenol		<0.0a	<1.0 <1.0	<del></del>
2,3,5,6-Tetrachiorophenol 2-Methylphenol		<8		
3-Methylphenol	-		44-5	
4-Methylphenol		1 J		
2,4-Dimethylphenal	<del></del>	<8		
4-Nitrophenol		<49		
			·····	***************************************
Values represent total concentrations unless not	ted <=Not detected at inc	dicated reporting limit	=Not analyzed	
	_			

#=Constituent in more than one test method, highest result reported.

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Date: 02/07/96

SITE	D-04E	D:04E	D-04E	D-04E
SAMPLE ID	D-4E	D-4	D-4E	D-4E
CONSTITUENT (Units in ug/l) DATE	02/03/93	05/12/93	07/15/93	10/20/93
Pentachlorophenol	<1.0	<10		no m
Pentachlorophenol (GC/ECD)			<1	<1
Phenol	===			***
2-Chlorophenol	<del></del>		<del></del>	
3-Chlorophenol				
4-Chloraphenol			***	
2,4-Dichlorophenol			*- <del>-</del>	
2,5-Dichlorophenol	<u></u>	<u></u> -		<del></del>
	***			
2,3,4-Trichlorophenol	<del></del>			
2,4,5-Trichlorophenol				***
2,4,6-Trichlorophenal	<del></del>			
3,4,5-Trichlorophenol 2,3,4,5-Tetrachlorophenol	<1.0	<10		
2,3,4,6-Tetrachlorophenol	<1.0	<10		
2,3,5,6-Tetrachiorophenol	<1.0	<10		
2-Methylphenol	<del></del>		4==	Burda Constitution of the
3-Methylphenol				
4-Methylphenol	to-mine.			
2,4-Dimethylphenol	-			
4-Nitrophenol				
Values represent total concentrations unless noted	Not detected at	indicated reporting lin	nit=Not analyzed	
Values tahlasaite total collegiterations alligas hotes	,,,, .,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•	
4				

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Date: 02/07/96

		SITE	D-05	D-05	D-05 D-5	D-05 D5-1130
CONSTITUENT	(Unite in ug/l)	SAMPLE ID DATE	D45 05/28/90	ABERDEEN D-6 08/15/90	01/09/91	05/30/91
Pentachlorophenol			5500	5800 E	8000 E	9900 D
Pentachlorophenol					-	
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-Dichloropheno	1		<10 U	23	31	110
2,5-Dichloropheno	ı					18 JX
2000-1-20-20-20-20-20-20-20-20-20-20-20-20-20-	***************************************		680 JX	1100 JX		1300 JX
2,3,4-Trichlerophe	nol					
2,4,5-Trichlorophe	nol		190	420	230	(270) DJ
2,4,6 Trichlaraphe	nol		<10 U	8 J	5 J	<10 U
3,4,5-Trichlorophe	nol		***		220 JX	190 JX
2,3,4,5-Tetrachion	ophenel		<u></u> -		2300 JX	
2,3,4,6-Tetrachlor	ophenoi		3000 JX	1500 JX		2800 JX
2,3,5,6-Tetrachlor	aphenol			-		<del></del>
2-Methylphenol	***************************************	•	< 10 U	<20 U	21	<10 U
3-Methylphenol						
4-Methylphenol	***************************************	overes to the control of the control	9 J	130	< 10 U	23
2,4-Dimethylphen	al		4 J	<20 U	<10 U	<10 U
4-Nitrophenol		5446445554555	<51 U	<100 U	<52 U	< 52 U
					<u></u>	
		40000 AND 10000 AND 10000 AND 10000 AND 10000 AND 10000 AND 10000 AND 10000 AND 10000 AND 10000 AND 10000 AND 1	abadan ar er reger area and a con a see green and a con-			

Values represent total concentrations unless noted <= Not detected at indicated reporting limit ---= Not analyzed

() = Less than Detection Limit

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Date: 02/07/96

SITE	D-05	D+05	D-05	D:05
SAMPLEID	D-6	EPA Sample	D-5 WEY AB	D-6
CONSTITUENT (Units: in:ug/l) DATE	12/18/91	01/16/92	01/16/92	07/14/92
Pentachlorophenol		2510#		3780
Pentachlorophenol (QC/ECD)	<b>5700</b>		3700	
Phenoi		56 ≪1		 
2-Chlorophenol 3-Chlorophenol				
4-Chlorophenol			450	
2,4-Dichlorophenol		w w an		***
2,5-Dichlorophenol	<u></u>	370 JX	<u></u>	
		***		
2,3,4-Trichlorophenol		22 JX		<del></del>
2,4,5-Trichlorophenol		<1900 <960		
2.4.6-Trichlerephenol		 < 900		
3,4,5-Trichlorophenol 2,3,4,5-Tetrachlorophenol		<480		7.7
2,3,4,6-Tetrachlorophenol		2280#	<del></del>	2430
2,3,5,6-Tetrachiorophenol		430 JX		<1.0
2-Methylphenol		<1		
3-Methylphenol	<i>91</i> -8			
4-Methylphenol		12 <1		
2,4-Dimethylphenol	<del></del>	<8		
4-Nitrophenol		75		
				•
Values represent total concentrations unless noted	<=Not detected at indi	icated reporting limit	=Not analyzed	

#= Constituent in more than one test method, highest result reported.

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Date: 02/07/96

SITE D-05	D-05	D+05	D:05
SAMPLE ID D-5	D-5	D-5	D-6 07/16/93
CONSTITUENT (Units in ug/l) DATE 10/27/92	02/03/93	06/12/93	03/10/93
Pentachlorophenol	1300	2400	
Pentachlorophenol (GC/ECD) 5000			4600
Phenol		***	
2-Chlorophenol	<del></del>		
3-Chlorophenol			
4-Chlorophenol	<del></del>		
2,6-Dichlorophenol:			e
***			
2,3,4-Trichlarophenol			
2,4,5-Trichlorophenoi			
2.4;6-Trichlaraphenol 3.4,5-Trichlaraphenol			<del></del>
2,3,4,6-Tetrachlorophanol	<200	<10	
2,3,4,6-Tetrachiorophenol	<200	720	
2,3,5,6-Tetrachlorophenol	1200	<10	
2-Methylphenol			
3-Methylphenol 4-Methylphenol			
4-Metryphetol 2,4-Dimethylphenol	e-re		2-1
4-Nitrophenol			***
	***************************************		
Values represent total concentrations unless noted <= Not detected at indic	cated reporting limit	=Not analyzed	

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Date: 02/07/96

	SITE	D-05	D-06	D-06	D-06
	SAMPLE ID	D-6	D-6	D-6	D6-1145
CONSTITUENT (Units in ug/l)	DATE	10/20/93	09/13/90	01/09/91	05/30/91
Pentachlorophenol			<61 U	<52 U	<52 U
Pentachlorophenal (GC/ECD)		3590			
Phenol			<10 U	<10 U	<10 U
2-Chlorophenol			<10 U	<10 U	<10 U
3-Chlorophenol					
4-Chloraphenol		***			<10 U
2,4-Dichlorophenol			<10 U	<10 U	<100
2,5-Dichlorophenol		<del></del>			
2,3,4-Trichlorophenol					
2,4,5-Trichlorophenol			<51 U	<52 U	<52 U
2,4,6-Triohlarophenol		<del></del>	<10 U	<10 U	<10.0
3,4,5-Trichlorophenol					
2,3,4,5 Tetrachlorophanol					
2,3,4,6-Tetrachiorophenol	***************************************		***	was	
2,3,5,6-Tetrachiorophenol					
2-Methylphenol		***	<10 U	<10 U	<10 U
3:Methylphenol					##
4-Methylphenoi			<10 U	<10 U	<10 U
2,4-Dimethylphenol			<10 U	<10 U	<10.0
4-Nitrophenol			<51 U	<52 U	<52 U
		yy, , , , , , , , , , , , , , , , , , ,	***************************************		
	,				
Values represent total concentrations ur	nless noted <=No	ot detected at indi	oated reporting limit	= Not analyzed	
I					

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Date: 02/07/96

SITI	E D-06	D-06	D-06	D-06
	MPLE ID D6-92		D-6	EPA Sample
CONSTITUENT (Units in ug/l) DAT	ΓE 09/25.	/91 12/18/	91 01/16/92	01/16/92
Pentachlorophenol	<51 (	ndere en novembre de la rechte en deren en en de deltar en de en de en de en en en en de de de en en de en de	 <1	<0.03#
Pentachiorophenol (GC/ECD) Phenol		<1 J		<1
2-Chlorophenol	<10.1			<1
3-Chlorophenol			***	
4-Chlorophenol				
2,4-Dichlorophenol	<10 ₪	J		
2,6-Dichlorophenal	<u></u>	<del></del> -	<del></del>	<del></del>
	····		***	***
2,3,4-Trichlorophenol				
2,4,5-Trichlorophenol	<5 <b>1</b> (			<0.2# <0.1#
2,4,6-Trichlorophenol 3,4,5-Trichlorophenol	<10 t	,	<del></del>	CU.1#
2,3,4,5-Tetrachlorophenol			 	<0.06
2,3,4,6-Tetrachlorophenol				<0.05
2,3,5,6-Tetrachiorophenol				
2-Methylphenol	<10 L	J		<1
3-Methylphenol				
4-Methylphenol	<10 €			<1
2,4-Dimethylphenal	<10 L		<del></del>	<1
4-Nitrophenol	<51 €	J		<8 J
	<del></del>			<del></del>
			••••••	
Values represent total concentrations unless	noted <=Not detecte	d at indicated reporting	ng limit=Not anal∨zed	1
tobiodoni total patienting attinge				-

#=Constituent in more than one test method, highest result reported.

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Date: 02/07/96

SITE SAMPLE ID	D-06 D-6	D-06 D-6	D-06 D-6	D-06 D-6
CONSTITUENT (Units in ug/l) DATE	07/14/92	10/27/92	02/03/93	06/12/93
Pentachlorophenol	<1.0		<1.0	<10
Pentachlorophenol (GC/ECD)		<1U		
Phenol				<del></del>
2-Chlorophenol 3-Chlorophenol				
4-Chlorophenol  2,4-Dichlorophenol		<del></del>	<del></del>	
2,6-Dichlorophenal		<u></u>		
2,3,4-Trichlorophenol 2,4,5-Trichlorophenol			<del></del>	<del></del>
2,4,6-Trichlaraphenal 3,4,5-Trichlaraphenal				
2,3,4;5-Tetrachiorophenol 2,3,4,6-Tetrachiorophenol	<1.0 <1.0	<del></del>	<1.0 <1.0	<10 <10
2,3,5,6-Tetrachlorophenol	<1.0		<1,0 	<10 
2-Methylphenol 3-Methylphenol				
4-Methylphenol 2,4-Dimethylphenol				
4-Nitrophenol	 			<del></del>
			h Ne de	
Values represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed				
For RCL PHENOLS				

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Date: 02/07/96

	SITE	D-06	D-06 D-6	D-07 D-7	D+07 D7-1105
CONSTITUENT: (Units in ug/l)	SAMPLE ID DATE	D-6 07/15/93	U-6 10/20/93	09/13/90	05/30/91
entachlorophenol				<50 U	<54 U
entachlorophanal (GC/ECD)		<1	1	740 E	<11 U
henol				740 E <10 U	<11 U
-Chlorophenal -Chlorophenal		<del></del>			
-Chlaraphenol					
,4-Dichlorophenol				<10 U	<11 U
,5-Dichlorophenal					
,3,4-Trichlorophenal					
,4,5-Trichlorophenol	***************************************			<50 U	<54 U
4,6-Trichlaraphenol				<10 U	<11 U
,4,5-Trichlorophenol	***************************************				
3,4,5-Tetrachlorophenol			<del></del>	<del></del> -	
,3,4,6-Tetrachlorophenol					
,3,5,6-Tetrachlorophenol					-44 11
-Methylphenol				<10 U	<11 U
-Methylphenol					<11 U
-Methylphenol				55 <10 U	<11 U
4-Dimethylphenol				<50 U	<54 U
-Nitrophenol					
	***************************************				

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Date: 02/07/96

S	ITE D:07	D-07	D-07	D-07
6	AMPLE ID D7-925	D-7	EPA Sample	D-7 WEY AB
CONSTITUENT (Units in ug/l) D	ATE 09/25/91	12/18/91	01/16/92	01/16/92
			10.04%	
Pentachloropheno <b>l</b>	<61 U	 <1	<0.04#	 <1
Pentachlorophenol: (GC/ECD) Phenol	<10 U		<7	
2-Chlorophenal	<10 U		<7	
3-Chlorophenol				
4:Chlorophenol		<del></del> -		
2,4-Dichlorophenol	< 10 U			
2,6-Dichlorophenal				
2,3.4-Trichlorophenol	<del></del>		e <del></del> -	
2,4,5-Trichlorophenol	<51 U		<0.18#	***
2,4,6-Trichleraphenol	<10 U		<0,09#	
3,4,5-Trichlorophenol		~==		
2,3,4,5-Tetrachlorophenol	<del></del>	<del></del>	<0.05 <0.06	
2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol		<del></del>	~ · · · · · · · · · · · · · · · · · · ·	
2-Methylphenol	<10 U		<7	bed .
3-Methylphenol				
4-Methylphenol	<10 U		<7	
2,4-Dimethylphenol	<10 U		<7	
4-Nitrophenol	<61 U		<42	
	***************************************		,	
		000000000000000000000000000000000000000		***************************************
			mit – Not analyzed	
Values represent total concentrations unle		inaicated reporting lit	THE = NOT analyzed	
#=Constituent in more than one test me	inoa, nignesi resuit reportea.			

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Date: 02/07/96

	SITE	D-07	D-07	p-07	D-07
	SAMPLEID	D-7	D-7	D-7	D-7
ONSTITUENT (Units in ug/l)	DATE	07/14/92	10/27/92	02/03/93	05/12/93
				- 1.5	-110
entachlorophenol		<1.0		<1.0	<10
intachlorophenol (GC/ECD)			<1∪		<del></del>
enol			<del></del>		
Chlorophenol					<del></del>
Chlorophenol			***	4-4	***
Chlaraphenol 4-Diohloraphenol					
4-Dichlorophenol					
			***		
3,4-Trichlorophenol					
4,5-Trichlorophenol	•				Materia
4,6-Triahlaraphenol					
4,5-Trichlorophenol		<b></b>	wer		
3,4,5-Tetrachiorophanol		<1.0		<1.0	<10
3,4,6-Tetrachlorophenol		<1.0		<1.0	<10
3,5,6-Tetrachlorophenol		<1,0		<1.0	<10
Methylphenol					
Methylphenol				***	
Methylphenol					<del></del>
4-Dimethylphenol		<del></del>	<del></del>	<del></del>	
Nitrophenol				a	<del></del>
			- <del></del>		
				***************************************	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
aluas represent total concentrations		Net detected at	indicated reporting li	nit Not analyzed	

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Date: 02/07/96

SITE	D:07	D-07	D-08	D-08
SAMPL	EID D-7	D-7	B-G	D-8
CONSTITUENT (Units in ug/l) DATE	07/15/9	3 10/20/93	09/13/90	01/09/91
Pentachlorophenol			<50 U	< 52 U
Pentachlorophenol (GC/ECD)	<1	<1	 280	<10 U
Phenol			280 <10 U	<10 U
2-Chlorophanol				
3-Chlorophenol 4-Chlorophenol	***	***	***	
4-chiorophenol 2,4-Dichlorophenol			<10 U	<10 U
2,5-Dichlorophenol				
				ddr
2,3,4-Trichlorophenol				
2,4,5-Trichlorophenol	<b></b>	###	<50 U	< 52 U
2,4,6-Trichlorophenol			<10 U	<10 U
3,4,5-Trichlorophenol				<del></del>
2,3;4;6-Tetrachlorophenel		-		
2,3,4,6-Tetrachlorophenol				 
2,3;5;6-Tetrachlorophenol 2-Methylphenol		<del></del>	<10 U	<10 U
3-Methylphenol			H-4	***
4-Methylphenol		***	54	<10 U
2,4-Dimethylphenol			<10 U	<10 U
4-Nitrophenol			<50 U	<52 U
				000000000000000000000000000000000000000
	***************************************			
Values represent total concentrations unless no	oted <=Not detected	l at indicated reporting lim	nit=Not analyzed	
I.				

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	SITE	D-08	D-08	D-08	D-08
	SAMPLE ID	D8-1030	D8-925	D-8	EPA Sample
CONSTITUENT (Units in ug/l)	DATE	05/30/91	09/25/91	12/18/91	01/16/92
Pentaohlorophenol		<51 U	(3) J		(6)#J
Pentachlorophenol (GC/ECD)				<1	<del></del>
Phenol		<10 U	<10 U		<7
2-Chlorophenal		<10 U	<10 U		<7
3-Chlorophenol	(0000000000000000000000000000000000000				
4-Chlorophenol					***
2,4-Dichlorophenol		<10 U	<10 U	- <del></del>	
2; 5-Dichlorophenal		<del></del>			
2,3,4-Trichlorophenol					
2,4,5-Trichlorophenol		<51 U	<52 U		<0.17#
2,4,6-Trichlerophenol		<10 U	<10 U	4	<0.09#
3,4,5-Trichlorophenol					***
2,3,4,5-Tetrachlorophanol					0.09
2,3,4,6-Tetrachlorophenol				#***	0.86
2,3,5,6-Tetrachlaraphenol					
2-Methylphenol		<10 U	<10 U		<7
3-Methylphenol				-1	-1
4-Methylphenol	*****************************	<10 U	<10 U		<7
2,4-Dimethylphenal		<10 U	<10 U	***	<7
4-Nitrophenol		<51 U	<52 U		<41
			- <del></del>		
					***************************************
***************************************	***************************************				
	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00000000000000000000000000000000000000	\$00,000,000,000,000,000,000,000,000,000	
Values represent total concentrations un	less noted <=Not	detected at indicated	d reporting limit	=Not analyzed	

#=Constituent in more than one test method, highest result reported. ()=Lass than Detection Limit For RCL PHENOLS

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Date: 02/07/96

SITE		D-08	D-08	D+08	D-08
		D-8 WEY AB	D-8	D-8	D-8
CONSTITUENT (Unite in ug/l) DAT	'E	01/16/92	07/14/92	10/27/92	02/03/93
			1.3		<1.0
Pentachlorophenol Pentachlorophenol (GC/ECD)		 <1	1.3	 <1U	7,13
Phenol				p <sub>1</sub> == ==	
2-Chlorophenol		***			
3-Chiorophenol	0.0000000000000000000000000000000000000				
4-Chlorophenol					
2,4-Dichlorophenol				***	
2; 5-Dichlorophenal		- <del></del>		<del></del>	
2,3,4-Trichlorophenol			<del></del>		<del></del>
2,4,5-Trichlorophenol					transis and a second second second second second second second second second second second second second second
?,4,6-Trichlaraphenol			***		
3,4,5-Trichlorophenol					
2,3,4,5-Tetrachlorophenal			<1,0		<10
2,3,4,6-Tetrachlorophenol			<1.0		<1.0 <1:0
2,3,5,6-Tetrachiorophenol			<1,0 		
2-Methylphenol 3-Methylphenol				***	***
4-Methylphenol				April 100 April	
2,4-Dimethylphenol			***		
4-Nitrophenol		<b>**</b>			
					***************************************
	***************************************				
Values represent total concentrations unless	noted <=Not	detected at indica	ited reporting limit	=Not analyzed	
•					

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Date: 02/07/96

	SITE SAMPLE ID	D-8	D-08 D-8	D-08 D-8	D-09 D-9
CONSTITUENT (Units in ug/l)	DATE	05/12/93	07/15/93	10/20/93	09/13/90
entachlorophenol		<10			<51 U
antachiorophenol (GC/ECD)			<1	<1	
henol	*****************************	***			23
Chlorophenol					<10 U
-Chlorophenol				<b></b>	•••
Chlara <b>phenol</b>					
4-Dichlorophenol			***		<10 U
5-Dichlorophenal		<del></del>		<del></del>	
3,4-Trichlorophenol				<del></del>	
4,5-Trichlorophenol					< 51 U
,4,6-Trichlaraphenol			22-		<10 U
4,5-Trichlorophenol	***************************************				
3,4,5-Tetrachlorophenol		<10	<del>-</del>		
,3,4,6-Tetrachlorophenol		<10			
,3,5,6-Tetrachiorophenol		<10			БJ
-Methylphenol			***		רם
-Methylphenal		<del></del>			<10 U
-Methylphenol				<del></del>	<10 U
,4:Dimethylphenol -Nitrophenol				<del></del>	< 51 U
-reit optionor					<del></del>
***************************************					
	***************************************	***************************************			
			indicated reporting li		

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Date: 02/07/96

SITE	D-09	D-0a	D-09	D-09
SAMPLE	D D-9	D9-0945	D9-925	D-9
CONSTITUENT (Units in ug/l) DATE	01/09/91	05/30/91	09/25/91	12/18/91
Pentachlorophenol	<52 U	< 52 U	< 51 U	
Pentachlorophenol (GC/ECD)			<del></del>	<1
Phenol	<10 U	<10 U	<10 U	
2-Chlorophanol	<10 U	<10 ∪	<10 U	
3-Chlorophenol			•••	
4-Chilorophenol				
2,4-Dichlorophenol	<10 ∪	<10 U	<10 U	
2,5-Dichlorophenol	•			
2,3,4-Trichlorophenol				
2,4,5-Trichlorophenol	< 52 U	< 52 U	 <51 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-Tetrachiorophenol				
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	<52 U	<51 U	***
Valuas represent total assessment unless to di	✓ — Not detected at india		Mark and drawn of	į
Values represent total concentrations unless noted	< = Not detected at Indic	cated reporting limit	=Not analyzed	

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Date: 02/07/96

SITE	D-09	D:09	D-09	D-09
SAMPLE ID	D-9	D-9	D-9	D-9
CONSTITUENT (Units in ug/l) DATE	07/14/92	10/27/92	02/03/93	05/12/93
Pentachlorophenol	<1.0		<1.0	<10
Pantachlorophenol (GC/ECD)		<1 U	<u></u> -	<u></u>
Phenol	www			
2-Chlorophenol				
3-Chlorophenol	wer			
4-Chlorophenol				***
2,4-Dichlorophenol			***	
2,5-Dichlorophenal		<del></del>	<del></del>	<del></del>
2,3,4-Trichlorophenol				
2,4,5-Trichlorophenol 2,4;6-Trichlorophenol		414	4++	***
3,4,5-Trichlorophenol	# ###			
2,3,4,6-Tetrachlorophenol	<1.0		<1.0	<10
2,3,4,6-Tetrachiorophenol	<1.0	# ***	<1.0	<10
2,3,5,5-Tatrachlorophenol	<1.0		<1.0	<10
2-Methylphenol				
3-Methylphenol				
4-Methylphenoi		*		***
2,4-Dimethylphenol		<del></del>	<del></del>	<del></del>
4-Nitrophenol				
			-	
				***************************************
Values represent total concentrations unless noted	<=Not detected at it	ndicated reporting lim	it=Not analyzed	

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Date: 02/07/96

	SITE	<b>D-09</b>	D-09	PURGEWATER	
	SAMPLE ID	D-9	D-9	DRUM SAMPLE	
CONSTITUENT (Units in ug/l) (	DATE	07/16/93	10/20/93	05/25/90	
Pentachlorophenol		***	wnv	850 E	
Pentachiorophenol (GC/ECD)		<1	<1		
Phenol	200000000000000000000000000000000000000			4 J	
2-Chlorophenal				<10 U	
3-Chlorophenol	outerores:		***		
4-Chlorophenol				 <10 U	
2,4-Dichlorophenol 2,5-Dichlorophenol					
<del>2,000                                    </del>				***	***************************************
2,3,4-Trichlorophenol				<del></del>	
2,4,5-Trichlorophenol		***	***	18 J	
2,4,6 Trichlorophenol				<10 U	
3,4,5-Trichlorophenol 2,3,4,5-Tetrachlorophenol		 	 		
2,3,4,6-Tetrachlorophenol					***************************************
Z,3,5,6-Tetrachiorophenol					
2-Methylphenol		wee		<10 U -	
3-Methylphenol				ere.	
4-Methylphenol				2 J <10 U	
2:4-Dimethylphenol 4-Nitrophenol				<52 U	
+ Macophono.					
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************	***************************************		
Values represent total concentrations un	less noted <=No	ot detected at indic	ated reporting limit	= Not analyzed	
:					

Semi-volatiles

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Date: 02/07/96

2,3,4,5-Tetrachlorophenol 2,3,4,5-Tetrachlorophenol 3,52 U \$200 U \$52 U \$52 U  Pentachlorophenol (GC/ECD)						
CONSTITUENT   Unite in ug/l)   DATE		SITE	D-01	D-01	D-01	D-01
2,3,6,6-Tetrachlorophenol 2,3,1,6-Tetrachlorophenol 2,3,1,6-Tetrachlorophenol 2,3,1,6-Tetrachlorophenol 2,3,1,6-Tetrachlorophenol 2,3,1,6-Tetrachlorophenol 2,3,1,6-Tetrachlorophenol 3,2,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,		SAMPLE ID	WELL D-1	ABERDEEN D-1	D+1	
2, 3, 6, Tavethorophenol 2, 3, 4, 5, Tavethorophenol 3, 3, 4, 5, Tavethorophenol 3, 4, 5, Tavethorophenol 3, 4, 5, 1, 5,	CONSTITUENT (Units in ug/l)	DATE	05/25/90	08/15/90	05/30/91	09/25/91
2, 3, 6, Terrechlorophenol 2, 2, 4, 5, Tetrechlorophenol Reprincipation (GC/ECD) Rentachlorophenol (GC						
2,3.4,5-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol			<b></b> ,	***	
Pentachlorophenol (GC/ECD)	2,3,4,6-Tetrachlorophenol					
Pentachlorophenol (GC/ECD)	2,3,4,5-Tetrachlorophenol			ab#		
2 Chlerophenoi	Pentachlorophenol		<52 U	<200 U	<62 U	< 62 U
Phenol	Pentachlorophenol (GC/ECD)			P-2-11		
2.Mathyphenol         <10.U	2-Chlorophenol		<10 U	<20 U	<10 U	1000 <b>010</b> 001000100000000000000000000000
4-Methylphenol	Phenol		< 10 U	<20 U		<10 U
2.Metry/apphthalene	2-Methylphenol		<10 U	<20 U	<10 U	<10 U
Nitrobenzene <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <20 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U	4-Methylphenol			_		
2.4 Dimetry/phenol	2-Methylnaphthalane		<10 U	<20 U	******	
Benzola acid	Nitrobenzene		< 10 U	<20 U		
2.4 Dichlorophenol	2,4-Dimethylphenol		<10 U		0.0000000000000000000000000000000000000	
1,2,4-Trichlorobenzene	Benzoic acid					
Saphthalene	2,4-Dichlorophenol		- September 1990 - Control of Con	*******************************	555000000000000000000000000000000000000	
2,4,6-Trichlorophenol       < 10 U	1,2,4-Triohlorobenzene		<10 U			
2,4,5-Trichlorophenol	Vaphthalene		10000-1000-0000000000000000000000000000		< > 100 (100 %) 200 (100 200 200 200 200 200 200 200 200 200	, 100 to
Acenaphthene	2,4,6-Trichlorophenol			***********************************		
3-Nitroaniline	2,4,5-Trichlorophenol			*******	Printed by Contract C	described to the description of the second s
4-Nitrophenol	Acenaphthene					
Bis(2-ethylhexyl)phthalate	3-Nitroaniline			*****************************	000000000000000000000000000000000000000	
2-Mathyl-4,6-dinitrophenol <52 U <100 U <52 U <52 U  Fluorenii <10 U <20 U <10 U <10 U   Pyrene <10 U <20 U <10 U <10 U <10 U	4-Nitrophenol					
Flüorenie <10 U <20 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <10 U <1	Bis(2-ethylhexyl)phthalate		\$2,000,000,000,0000,0000,000,000,000		401000000000000000000000000000000000000	
	2-Methyl-4,6-dinitrophenol			***************************************		
Pyrane <10 U <20 U <10 U <10 U	Fluorene		<10 U	<20 U	<10 U	<10 U
Values represent total concentrations unless noted   <=Not detected at indicated reporting limit ≕Not analyzad	Pyrene		<10 U	<20 U	<10 U	<10 U
Values represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed						
Values represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed						
Values represent total concentrations unless noted   <=Not detected at indicated reporting limit ≕Not analyzed						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Values represent total concentrations unless noted   <=Not detected at indicated reporting limit =Not analyzed						
Values represent total concentrations unless noted   <=Not detected at indicated reporting limit ≕Not analyzed						
Values represent total concentrations unless noted   <=Not detected at indicated reporting limit ≕Not analyzed						
Values represent total concentrations unless noted   <=Not detected at indicated reporting limit ≕Not analyzed						
Values represent total concentrations unless noted   <=Not detected at indicated reporting limit ≕Not analyzed						
	Values represent total concentrations un	less noted <=No	t detected at ind	icated reporting limit -	≕Not analyzed	

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Date: 02/07/96

	SITE D-01	D-01	D-01	D-01
	SAMPLE ID EPA Sampl	e D-1 WEY AB	D-1	D-1
CONSTITUENT (Units in ug/l)	DATE 01/16/92	01/16/92	07/14/92	10/27/92
2,3,5,6-Tetrachlorophenol				
2,3,4,6-Tetrachlorophenol	<0,05	<u></u>		
2,3,4,5-Tetrachlorophenol	<0.05	•••	***	
Pentachlorophenol	<0:03#		<28 U	<26 U
Pentachlorophenol (GC/ECD)		<1		
2-Chlorophenol	<1		<11.0	<10 U
Phenol	<1		<11 U	<10 U
2-Methylphenol	<۱		<11 U	<10 U
4-Methylphenol	<1		<11 U	< 10 U
2-Methylnaphthalane	<1		<11 U	<10 U
Nitrobenzene	<1		<11 U	< 10 U
2,4-Dimethylphenol	<1		<11.0	<10 U
Benzoic acid	<16	***		
2,4-Dichlorophenol			<11.U	<10 U
1,2,4-Trichlorobenzene	<1#	***	<11 U	<10 U
Vaphthalene	<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	<10.0
2-Methyl-4,6-dinitrophenol	<16	p = 40	<28 U	<26 U
Fluorene	<1		<11 U	< 10 U
	<1		**************************************	
Pyrene	<1		<110	<10 U
			***************************************	
1				
Values represent total concentrations un	table noted <=Not detected at	indicated reporting lim	it = Not analyzed	

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed #=Constituent in more than one test method, highest result reported. ()=Lese than Detection Limit

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Date: 02/07/96

SITE	D-01	D-01	p-01	D-02
SAMPLE ID	D-1	D-1	D-1	WELL D-2
CONSTITUENT (Units In ug/l) DATE	02/03/93	05/12/93	07/15/93	05/25/90
2,3,5,6-Tetrachiorophenol	***			
2,3,4,6-Tetrachlorophenol	<del></del>	<del></del>		
2,3,4,5-Tetrachlorophenol	***		***	 83
Pentachlorophenol	<26 U	<31 U	<60 U	
Pentachlorophenol (GC/ECD)		 <12 U	 <20 U	110
2-Chlorophenol	<10 U	<12 U	<20 U	<10 U
Phenol	<10 U <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	22
2-Methylnaphthalene Nitrobenzene	< 10 U	< 12 U	<20 U	<10 U
2,4-Dimethylphenol	<10 U	<12 Ü	<20 U	<100
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
Vaphthalene	<10 U	<12 U	<20 U	<10 U
2,4,6-Trichlorophenol	< 10 U	<12 U	< 20 U	<10 U
2,4;5-Trightorophenol	<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
Fluorene	<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

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	SITE	D-02	D-02	D-02	D-02
	SAMPLE ID	ABERDEEN D-2	D-2	D-2	D-2 9-25 1000
CONSTITUENT (Units in ug/l)	DATE	08/16/90	01/09/91	05/30/91	09/25/91
2,3,5,6-Tetrachlorophenol					
2,3,4,6-Tetrachlorophenol		<u></u>		<del></del>	
2,3,4,5-Tetrachlorophenol					
Pentachlorophenol		<100 U	<63 U	<52 U	<51 U
Pentachlorophenol (GC/ECD)		***			
2-Chlorophenol		<20 U	<11.0	<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-Methylnaphthalane		<20 U	<11 U	<10 U	<10 U
Nitrobenzene		<20 U	<11 U	<10 U	<10 U
2,4-Dimethylphenal		<20 U	<11 U	<10 U	<10∪
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 Trichloraphenal		<100 U	<53 U	<52 U	<81 U
Acenaphthene		< 20 U	<11 U	<10 U	<10 U
3-Nitroaniline		<100 U	<52 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	<100
Pyrene		< 20 U	<11 U	<10 ∪	<10 ∪
1					

Values represent total concentrations unless noted <= Not detected at indicated reporting limit ---= Not analyzed

() = Less then Detection Limit

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Date: 02/07/96

SITE	D-02	D-02	D-02	D-02
SAMPLE ID	EPA Sample	D-2 WEY AB	D-2	D-2
CONSTITUENT (Units in ug/l) DATE	01/16/92	01/16/92	07/14/92	10/27/92
2,3,5,6-Tetrachlorophenol		444		
2,3,4,6-Tetrachiorophenol	<0.05			
2,3,4,5-Tetrachlorophenol	<0.05		***	***
Pentachicrophenol .	<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	<b>505</b>	<10 U	<10 U
2-Methylnephthelene	<1		<10 U	<10 U
Nitrobenzene	<1		< 10 U	<10 U
2.4-Dimethylphenol	<1		<10 U	<10 U
Benzoic acid	(0.3) J	H+#		***
2.4-Dichlorophenal			<10 U	<10 U
1,2,4-Trichlorobenzene	<1#	www.	<10 U	<10 U
laphthalene	<1#		<10 U	<10 U
2,4,6-Trichlorophenol	<0.1#		<10 U	<10 U
2,4,5 Trichlarophenol	<0.2#	4	<26 U	<26 U
Acenaphthene	(0.1) J		<10 U	<10 U
3-Nitroaniling	<17 J		<26 U	<26 U
4-Nitrophenol	<8		<26 U	<26 U
Bis(2-ethylhexyl)phthalate	1 U		2 J	1 J
2-Methyl-4,6-dinitrophenol	<17		<26 U	<26 U
Filtorene	<1	***	<10 ⊍	<10 U
	1 J	**** 		~***
Pyrene	<1	***	< 10 U	<10 ∪
Values represent total concentrations unless noted	<=Not detected at in	dicated reporting limi	t=Not analyzad	

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

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000000000000000000000000000000000000000			***************************************	
SITE	D-02	D-02	D-02	D-03
SAMPLE ID	D-2	D-2	D-2	D-3B
CONSTITUENT (Units in ug/l) DATE	02/03/93	05/12/93	07/15/93	05/28/90
2,3,5,6-Tetrachlorophenol				· 
2,3,4,6-Tetrachiorophanol				
2,3,4,5-Tetrachlorophenol			***	
Pentachlorophenol	<26 U	<30 ∪	<50 U	<51 U
Pentachlorophenol (GC/ECD)				
2:Chlorophenol	<10 U	<12 U	<20 ∪	<10 U
Phenol	<10 U	<12 U	<20 U	<10 U
2-Methylphenol	<10 U	<12∪	<20 U	<10 U
4-Methylphenol	<10 U	<12 U	<20 U	<10 U
2-Methylnephthalene	<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	<10.0
Benzolc acid	***			120
2,4-Dichlorophenol	<100	<12 U	<20 U	<10 U
1,2,4-Trichlorobenzene	<10 U	<12 U	<20 U	<10 U
Vaphthalene	<10∪	<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-Nitroanilina	<26 U	<30 U	<50 U	<51 U
4-Nitrophenol	<26 U	<30 U	<50 U .	<51 U
Bis(2-ethylhexyl)phthalate	<100	L (8)	<20 U	<10 U
2-Methyl-4,6-dinitrophenol	<26 U	<30 U	<50 U	<51 U
Fluorana	<10.U	<12 U	<20 U	<10 U
Pyrene	<100	<12 U	<20 U	<10 U
		THE PERSON NAMED IN COLUMN TO THE PE		

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

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Date: 02/07/96

SITE   D-03					
2,3,5,6-Tetrachlorophenol	SITE	D-03	D-03	D-03	D-03
2,3,5,6-Tetrachlorophenol	SAMPLEID	ABERDEEN D-3	D-3	D-3	D-3 9-25 0930
2,3,4,6-Tetrachlorophenol	CONSTITUENT (Units in ug/l) DATE	08/15/90	01/09/91	05/30/91	09/25/91
2,3,4,6-Tetrachlorophenol					
2,3,4,6-Tetrachlorophenol	2,3,5,6-Tetrachlorophenol				
Pentachlorophenol	2,3,4,6-Tetrachlorophanol				
Pentachlorophenol (GC/ECD)  2-Chldrophenol  22-CU <10 U <10 U <10 U <10 U <11 U  Phenol  22-Wethylphenol  22-Wethylphenol  22-Wethylphenol  22-Wethylphenol  22-Wethylphenol  22-Wethylphenol  22-Wethylphenol  22-Wethylphenol  22-Wethylphenol  22-Wethylphenol  23-Wethylphenol  24-Wethylphenol  24-Wethylphenol  25-Wethylphenol  26-Wethylphenol  27-Wethylphenol  27-Wethylphenol  28-Wethylphenol  29	2,3,4,6-Tetrachlorophenol				
2.Chlorophenoi	Pentachlorophenol	<100 ∪	<60 U	<52 U	<56 U
Phenol         <20 U	Pentachlorophenol (GC/ECD)				<b>227</b>
2-Methylphenol	2-Chlorophenol	<20 U	<10 U	<10 U	<11.U
4-Methylphenol	Phenol	<20 U			
2-Mathylnaphthalere	2:Methylphenal	<20 U	<10 U	<10 U	<11 U
Nitrobenzene	I-Methylphenol	·			
2.4-Dimethylphenol	2-Methylnephthalene	<20 U	<10 U	<10 U	1480444
Senzoic acid   Color	Nitrobenzene		<10 U		
2.4-Dichlorophenol	2,4-Dimethylphenol	<20 U	<10 U	<10 U	<11 U
1,2,4-Trichlorobenzene       <20 U	Benzoic acid	< 100 U			
Naphthelene	2,4-Dichlorophenol	<20 U	<10 U	<10 U	
2,4,6-Trichlorophenol       <20 U	1,2,4-Trichlorobenzene	<20 U			
2,4,6-Trichlorophenol       <100 U	Naphthalana	<20 U	<10 U		X 600 000 000 000 000 000 000 000 000 00
Acenaphthene       <20 U	2,4,6-Trichlorophenol	<20 U			
3-Nitroaniling <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) J <10 U <11 U  2-Methyl-4,6-dinitrophenol <100 U <50 U <62 U <66 U	2,4,5 Trichlarophenol	<100 U	<50 U	An thirth that and the season and a season and a season are a season as a season and a season an	\$350.00 to \$100.00 to
4-Nitrophenol <100 U <50 U <52 U <56 U  Bis(2-ethylhexyl)phthalate <20 U (4) J <10 U <11 U  2-Methyl-4,6-dinitrophenol <100 U <50 U <52 U <56 U	Acenaphthene	<20 U			
#-Nitrophenol	3-Nitroaniline	<100 U	<50 U	<52 U	2000 C C C C C C C C C C C C C C C C C C
2-Methyl-4,6-dinitrophenol <100 U <52 U <56 U	4-Nitrophenol		*	·	
Z-Methyl-4,0-dimitrophenot	3is(2-ethylhexyl)phthalate	<20 U	(4) J	141014-14104-14104-14104-1410-1410-1410	
المعاد المعاد المعاد المعاد المعاد المعاد المعاد المعاد المعاد المعاد المعاد المعاد المعاد المعاد المعاد المعا	2-Methyl-4,6-dinitrophenol				· ·
Fluorene <20 U <10 U <10 U SITO	Flugrene	<20 U	<10 U	<10 U	<11 U
	•		_		
Pyrene <20 U <10 U <10 U <11 U	Pyrene	<20 U	<10 U	<10 U	<11 U
				00000000000000000000000000000000000000	
	000000000000000000000000000000000000000				140001900400000000000000000000000000000

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

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Date: 02/07/96

SITE	D-03	D-03	D-03	D-03
SAMPLE	ID D-3	D-3	D-3	D-3
CONSTITUENT (Units in ug/l) DATE	07/14/92	10/27/92	02/03/93	05/12/93
2,3,5,6-Tetrachlorophenol			<b>#==</b>	
2,3,4;6-Tetrechlorophenol	-	<u></u>		
2,3,4,5-Tetrachlorophenol				
Pentachlorophenol	<26 U	<26 U	<28 U	<26 U
Pentachlorophenol (GC/ECD)				
2-Chlorophenol	<11 U	<10 U	<111 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 ∪	2 J	<11 U	<10 U
2-Methylnaphthalane	<11U	<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∪
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
Vaphthalene	<11.0	<10 U	<11 U	< 10 U <10 U
2,4,6-Trichlorophenol	<11 U	<10 U	<11 U	<26 U
2,4,6°Trichlarophenol	<26 U	<26 U	<28 U	<10 U
Acenaphthene	<11 U	<10 U	<11 U <28 U	< 26 U
3-Nitroaniline	<26 U	6 J	<28 U	<26 U
4-Nitrophenol	<26 U	<26 U	<11 U	<10.U
Bis(2-ethylhexyl)phthelate	<11 U	<10 U	<28 U	<26 U
2-Methyl-4,6-dinitrophenol	<26 U	<26 U	<11 U	<10 U
Fluorene	<11 U	<10 ∪		
	<del></del>	 <10 U	 <14 U	<10 U
Pyrena	<11 U	C10 U	<b>7.11.</b> 2	
				5554494505050505040544044666505050505050505050
Values represent total concentrations unless not	ed <=Not detected at inc	dicated reporting lim	it=Not analyzed	
Agines tebtesetir roral collegitrations misse flori	24 - 115t dotootoa at mi			

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Date: 02/07/96

SITE	D-03	D-03	D-04E	D-04E
SAMPLE ID	D-3	D-3	0-4	ABERDEEN D-4
CONSTITUENT (Units in ug/l) DATE	07/15/93	10/20/93	05/28/90	08/15/90
2,3,5,6-Tetrachlorophenol				
2,3,4,6-Tetrechlorophenal			9.1 JX	
2,3,4,5-Tetrachlorophenol		***	200	
Pentachlorophenol	<60 U		24 J	6 J
Pentachlorophenol (GC/ECD)		<1	. ===	<del></del>
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-Methylnephthalene	<20 U		<10 U	<20 U
Nitrobenzene	<20 U	**************************************	<10 U	<20 U
2.4 Dimethylphenol	<20 ∪		<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
Vaphthalene	< 20 U		2 J	<20 U
2,4,6-Trichlorophanol	<20 U	***	<10 U	<20 U
2,4,5-Trichlorophenol	<50 U	***	8 J	5 J < 20 U
Acenaphthene	<20 U		<10 U ≪51 U	<20 U <100 U
3-Nitroaniline	<50 U	***	<51 U	<100 U
4-Nitrophenol	<50 U	<del></del>	4J	<20 U
Bis(2:ethylhexyl)phthelete	< 20 U < 50 U	<b></b>	6 J	<100 U
2-Methyl-4,6-dinitrophenol	<00 U		<10 U	<20 U
Fluorene		<del></del>	******************************	C 200
	 <20 U		 <10 U	<20 U
?yrena	₹200	***	~,~	
Values represent total concentrations unless noted	✓ – Not detected at ind	icated reporting lis	nit= Not analyzed	
values represent total concentrations unless noted	✓ — IANT MATARIAN AT IUN	reten tehotriitä iii	inc Hot analyzou	•

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of 1AB Page: 1J 6

yco A	berdeen	Date: 02/07/96

SITE	D-04E	D-04E	D-04E	D+04E
SAMPLE ID	D-4E	D4E-1010	D4E-925	D-4E
CONSTITUENT (Units in ug/l) DATE	01/09/91	05/30/91	09/25/91	12/18/91
COIGNICE CONT.				
2,3,5,6-Tetrachiorophenol				
2,3,4,6-Tetrachiorophanal				<u></u>
2,3,4,5-Tetrachlorophenol			w	
Pentachlorophenol	<62 U	<60 U	<52 U	
Pentachlorophenol (GC/ECD)			# <del>***</del>	. 2
2-Chigraphenol	<10 U	<10 U	<10 U	
Phenol	<10 U	<10 U	<10 U	
2-Methylphenol	<10 U	<10 U	<10 ∪	
4-Methylphenol	<10 U	<10 U	<10 U	
2-Methylnephthalene	<10 U	<10 U	<10.0	
Nitrobenzene	<10 U	<10 U	<10 U	
2,4-Dimethylphenol	<10 U	<10 U	<10 U	
Benzoic acid	<52 U	<60 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) J	<10 U	
2-Methyl-4,6-dinitrophenol	<52 U	<50 U	<52 U	***
Fluorana	<10 U	<10 U	<10 U	<u></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

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incoloration control to the control of the control					***************************************	
		SITE	D-04E	D-04E	D-04E	D-04E
		SAMPLE ID	D-4E	EPA Sample	D-4	D-4E
CONSTITUENT	(Units in ug/l)	DATE	01/16/92	01/16/92	07/14/92	10/27/92
						-
2,3,5,6-Tetrachio					<1.0	· <del></del>
2,3,4,6-Tetrachic	***************		<del></del>	< 0.06	<1.0	***
2,3,4,5-Tetrachio Pentachioropheno				<0.06 <0.063#	<1.0 ≪1.0	·
rantachloropheno Pentachloropheno						
z-entachiorophenol 2-Chiaraphenol	ii (GC/ECD)		<1	 <8		<1 U
z-candispriendis Phenol				<b>~°</b> <8		
2-Methylphenol			<del></del>	<8		
4-Methylphenol				1 J		•••
2-Methylnaphthal	ene			(0.3) J	 	 
Nitrobenzene				<8		<b></b> -
2,4-Dimethylphen	iol			<8	e	<del></del>
Benzoic acid				< 98		
2,4-Dichloropheno	al					
1,2,4-Trichlorobei	nzene			<8#		
Naphthalene				2# J		
2,4,6-Trichloroph	enol			<0.12#	***	
2,4,5-Trichloroph	enol			<0.24#		
Acenaphthene				1 J		P1-0
3-Nitroaniline				<98 J	F-1-	
4-Nitrophenol				<49	er om der	
3is(2-ethylhexyl)p	hthalate			<23 J		<u></u> -
2-Meth <b>yl</b> -4,6-dinit	trophenol			<98		
Fluorene				(0.5) J		
				140 J		
<sup>o</sup> yrene				<8>		<del></del>

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed #=Constituent in more than one teet method, highest result reported. ()=Less than Detection Limit

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Date: 02/07/96

	SITE	D-04E	D:04E	D-04E	D:04E
	SAMPLE ID	D-4E	0-4	D-4E	D-4E
CONSTITUENT (Units in ug/l)	DATE	02/03/93	05/12/93	07/16/93	10/20/93
0507		-1.0	<10		
,3,5,6-Tetrachlorophenol 3,4,6-Tetrachlorophenol		<1.0 <1.0	<10		
,3,4,5-Tetrachlorophenol		< 1.0	<10		<del></del>
entachiorophenol		<1.0	<10	· · · · · · · · · · · · · · · · · · ·	e e e e e e e e e e e e e e e e e e e
entachlorophenol (GC/ECD)				<1	<1
-Chlorophenol					
'henol	***************************************				
-Methylphenol					
-Methylphenol		<b>~=</b> -			
-Methylnaphthalene					
litrobenzene					···
,4-Dimethylphenol					<del></del>
enzoic acid	***************************************		***		***
,4-Dichlorophenal		<del></del>			***
,2,4-Trichlorobenzene					
Japhthalene 1,4,6-Trichlorophenol					
,4,5-Trichlarophenol		***	***	94-9	***
cenaphthene					
-Nitroaniline					
-Nitrophenol					
lis(2-ethylhexyl)phthalate					
-Methyl-4,6-dinitrophenol			pr to the		wen
luorene					
yrene					
/alues represent total concentrations	uniess noted <=N	ot detected at in	dicated reporting lim	it = Not analvzed	
and topicoon, total concentrations	minera Hatau 11				

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Date: 02/07/96

SITE	D-05	D-05	D-05	D+05
SAMPLE ID	D-5	ABERDEEN D-5	D-6	D5-1130
CONSTITUENT (Units in ug/l) DATE	05/28/90	08/15/90	01/09/91	05/30/91
2,3,5,6-Tetrachlorophenol				
2,3,4,6-Tatrachlorophenol	3000 JX	1600 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 40
Phenol	22	140 <20 U	45 21	40 <10 U
2-Methylphenol	< 10 U	130	∡। <10 U	23
4-Methylphenol	3 <b>.7</b> 8.1	6 J	4.3	(3) U
2-Methylnephthalene	<10 U	<20 U	<10 U	<10 U
Nitrobenzene 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
Vaphthalene	<b>7</b> J	8 J	6 J	<10 U
2,4,6-Trichlorophenol	<10 U	8 J	5 J	<10 U
2,4,5 Trichlarophenol	190	420	230	(270) DJ
Acenaphthene	<10 U	<20 U	<10 U	<10 U
3-Nitroaniline	<51 U	<100 U	<52 U	<62 U
4-Nitrophenol	<51 U	<100 U	<52 U	<52 U
Bis(2-ethylhexyl)phthalata	<10 U	<20 U	<10 U	<10 U
2-Methyl-4,6-dinitrophenol	<51 U	<100 U	<52 U	<52 U
Fluorana	<10 ∪	<20 U	<10 U	<10 ∪
	120 JX			<b></b>
Pyrene	<10 ∪	<20 ∪	<10 U	<10 U

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

() = Less than Detection Limit

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Date: 02/07/96

s	HTE D-05	D-05	D-05	D-05
G	SAMPLE ID D-5	EPA Sample	D-5 WEY AB	D-5
CONSTITUENT (Units in ug/l) D	ATE 12/18/91	01/16/92	01/16/92	07/14/92
2,3,5,6-Tetrachlorophenol	<b>ww</b> n	430 JX		<1.0
2,3,4,6 Tetrachlorophenol	<u></u>	2280#		2430
2,3,4,5-Tetrachlorophenol		<480		7.7
Pentachlorophenol		2610#		3780
Pentachlorophenol (GC/ECD)	5700		3700	
2-Chlorophenol		<1		
Phenol		56		
2-Methylphenol		<1	-	
4-Methylphenol		12	***	444
2-Methylnaphthalana	<u></u> -	3		
Nitrobenzene		<1		
2.4-Dimethylphenol		<1	***	<del></del>
Benzoic acid		<16		
2.4-Dichlorophenol		<1#	<del></del>	
1,2,4-Trichlorobenzene		4#		<del></del>
Naphthalene 2,4,6-Trichlorophenol		<960		
2,4,5-Trichlorophenol		<1900	22	
چ,a.o-arichierophenoi Acenaphthene		<1		
3-Nitroaniline	4	<18 J	***	***
4-Nitrophenol		<8		
Bis(2-ethylhexyl)phthalate		<2 J		
2-Methy!-4,6-dinitrophenol		<16		
Fluorena		<1		
		60 J		
Pyrene	+++	<1J		
	•	***************************************	***************************************	
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Values represent total concentrations unle	ess noted <=Not datected at in	ndicated reporting limit	= Not analyzed	

Values represent total concentrations unless noted <=Not datected at indicated reporting limit ---=Not analyzed #= Constituent in more than one test method, highest result reported.

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Weyco Aberdeen	

	SITE	D-05	D-05	D-05	D-05
	SAMPLE ID	D-5	D-5	D-5	D-5
CONSTITUENT (Units in ug/l)	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	
Pentachicrophenol			1300	2400	
Pentechlorophenol (GC/ECD)		5000			4600
2:Chlorophenol					
Phenol					***
2-Methylphenol					
4-Methylphenol					
2-Methylnaphthalena					
Nitrobenzene				****	
2,4-Dimethylphenol					
Benzoic acid					
2,4-Dichlorophenol				<del></del>	<del></del>
1,2,4-Trichlorobenzene					
Vaphthalene					
2,4,6-Trichlarophenol					
2,4,5-Trichlorophenol			***		***
Acenaphthene					
3-Nitroanline		***	<del></del>	<del></del>	<del></del>
4-Nitrophenol Bis(2-ethylhexyl)phthalate			<del></del>		<del></del>
2-Methyl-4,6-dinitrophenol					
z-Methyl-4,0-dinkrophenol Fluorane					
riggrane					
Pyrena				+++	<del></del>
Values represent total concentrations ur	pless noted <=No	t detected at indica	ited reporting limit	=Not analvzad	
Talado reproduite total correctivations di	140	. actoriou at mujoc	reporting mill	, and prod	

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Date: 02/07/96

SI	TE D-05	D-06	D-06	D-06
9/	AMPLEID D-5	D-6	D-6	D6-1145
CONSTITUENT: (Units in ug/l) D/	ATE 10/20/93	09/13/90	01/09/91	05/30/91
2,3,5,6-Tetrachlorophenol				
2,3,4,6-Tetrachlorophenol			444	
2,3,4,5-Tetrachlorophenol	***			
Pentachlorophenol	4-4	<61 U	<52 U	<62 U
Pentachlorophenol (GC/ECD)	3590			
2-Chlorophenol	<del></del>	<10 U	<10 U	<10 U
Phenol		<10 U	< 10 U	<10 U
2-Methylphenol		<10 U	<10 U	<100
4-Methylphenol	<b>4.55</b>	< 10 U	< 10 U	<10 U
2-Methylnephthalene		<10 U	<10 U	<10 U
Nitrobenzene		<10 U	< 10 U	<10 U
2,4-Dimethylphenol	4	<10 U	<10 U	<10 U
Benzoic acid	***	<51 U	< 52 U	<52 U
2,4 Dichlorophenal		<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 ∪	<52 U	<62 U
Acenaphthene	<b></b>	< 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∪	<10 U	<10 U
2-Methyl-4,6-dinitrophenol		<51 U	< 52 U	<52 U
Fluorene		<10 ∪	<10 U	<10 U
		## <del>*</del>		***
Pyrena		<10 U	<10 U	<10 U
		······		

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

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Date: 02/07/96

	SITE	D-06	D-06	D-06	D-06
	SAMPLE ID	D6-925	D-6	D-6	EPA Sample
CONSTITUENT (Units in ug/l)	DATE	09/25/91	12/18/91	01/16/92	01/16/92
2,3,5,6-Tetrachlorophenol				****	
2,3,4,6-Tetrachlorophanel					<0.05
2,3,4,5-Tetrachlorophenol					<0.05
Pentachlorophenol		<51 U			<0.03#
Pentachlorophenol (GC/ECD)			<1	<1	
2-Chlorophenol		<10 U <10 U	<del></del>	***	<1 <1
Phenoi		<10 U			<1
2-Methylphenol 4-Methylphenol		< 10 U			<1
4-Methylnehol 2-Methylnephthalene		<10 U	 		<1
Nitrobenzene		<10 U			<1
2,4-Dimethylphenol		<10 U			<1
Benzoic acid		<61 U			<16
2,4-Dichlorophanal		<10 U			
1,2,4-Trichlorobenzene	***************************************	<10 U			<1#
Naphthalene		<10 U	<u></u>		<1#
2,4,6-Trichlorophenol		<10 U			<0.1#
2,4,5-Trichlorophonol		<51 U			<0.2#
Acenaphthene		<10 U	***		<1
3-Nitroanilina		<51 U			<16 J
4-Nitrophenol		<51 U			<8J
Bis(2-ethylhexyl)phthalate		<10 U			<10
2-Methyl-4,6-dinitrophenol		<51 U			<16
Fluorene		<10 U			<1
		 <10 U			<1 <1
Pyrene		K IU 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.

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	SITE	D-06	D-06	D-06	D-06
	SAMPLE ID	D-6	D-6	D-6	D-6
CONSTITUENT (Units in ug/l)	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-Tetrachlorophanal		<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	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***	www.	men.
2-Methylphenol					
4-Methylphenol					
2-Methylnephthalene					
Nitrobenzene				•••	***
2,4-Dimethylphenol		***		***	
Benzoic acid					
2.4-Dichlorophenol					
1,2,4-Trichlorobenzene					
Vaphthalene		<del></del>	•••	-	
2,4,6-Trichlorophenol		<del></del>			
2,4;5:Trichlorophenol Acenaphthene					
Acenaphthene 3-Nitroaniline		<del></del>			
4-Nitrophenol		<b></b>	****		<b></b>
Bis(2-ethylhexyl)phthalate					
2-Methyl-4,6-dinitrophenol					
Fluorene					
Pyrene				<del></del>	<del></del>
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************	**************************************	***************************************		000000000000000000000000000000000000000
(-1	undana makadi isa	U-6 d-644 -4 *-	diament "-"		
Values represent total concentrations	uniess noted <=i	NOT GETECTEG ST INC	alcated reporting limit	L = NOT analyzed	

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co Aberdeen	Date: 02/07/96

SITE	D-06	D-06	D-07	D-07
SAMMAS	PLEID D-6	D-6	D-7	D7-1105
CONSTITUENT (Units in ug/l) DATE	07/15/93	10/20/93	09/13/90	05/30/91
2,3,5,6-Tetrachlorophenol				
2,3,4,6-Tetrachiorophenol		<u></u>	<u></u>	
2,3,4,5-Tetrachiorophenol		•••		
Pentachiorophenol			<50 U	<54 U
Pentachlorophenol (GC/ECD)	· <1	1		
2-Chlorophenol			<10.0	<11 U
Phenoi			740 E	<11 U
2-Methylphenol	<del></del>		<10 U	<11 U
4-Methylphenol	###		<b>66</b>	<11 U
2-Methylnephthalene			<10 U	<11 U
Nitrobenzene		nen	<10 U	<11 U
2,4-Dimethylphenol			<10 U	<11 U
Benzoic acid			<50 U	<54 U
2,4-Dichlorophenol			<10 U	<11 Ü
1,2,4-Trichlorobenzene			<10 U	<11 U
Naphthalene			<10 U	<11 U
2,4,6-Trichlorophenol			<10 U	<11 U
2.4.5-Trichlarophenol		<del></del>	< 50 U	< 64 U
Acenaphthene			<10 U	<11 U <54 U
3-Nitroaniline		***	<50 U	< 54 U
4-Nitrophenol			<50 U	<11 U
Bis(2-ethylhexyl)phthalate			<10 U	<54 U
2-Methyl-4,6-dinitrophenol			<50 U <10 U	<11 U
Fluorene			000000000000000000000000000000000000000	CIIU
			 <10 U	 <11 U
Pyrene			Z I U U	\$111C
	- Not dotted	at indicated concrtice for	mit	
Values represent total concentrations unless a	Deficient town > Deficient	ar waicarea teborting in	mc=140€ aneiy200	•

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Date: 02/07/96

SITE	D-07	D-07	D-07	D-07
	IPLE ID D7-925	D-7	EPA Sample	D-7 WEY AB
CONSTITUENT (Units in ug/l) DAT	E 09/25/91	12/18/91	01/16/92	01/16/92
2,3,5,6-Tetrachlorophenol		***	 <0.05	
2,3;4,6:Tetrachlorophenol 2,3,4,5-Tetrachlorophenol			<0.05	
2,3,4,6-1 etrachiorophenol Pentachlorophenol	<51 U		<0.04#	
Pentachlorophenol (GC/ECD)		<1	<b></b>	<1
2-Chlorophenol	<b>&lt;1</b> 0 U	419	<7	
Phenol	<10 U	***	<7	
2-Methylphenal	<10 U		<7	444
4-Methylphenol	<10 U		<7	
2-Methylnaphthalene	<10 U	<del></del> -	<7	
Nitrobenzene	<10 U		<7	
2,4-Dimethylphenol	<b>₹10 U</b>	***	<7	
Benzoic aoid	<51 U		<83	
2,4-Dichlorophenol	<10 U			
1,2,4-Trichlorobenzene	<10 ∪		<7#	
Japhthalene	<10 U	<del>.</del>	<7#	<del></del>
2,4,6-Trichlorophenol	<10 U		<0.09#	
2,4,5-Trichlerophenol	<51 U	***	<0.18#	***
Acenaphthene	<10 U <51 U		<7 <83 J	
3-Nitroaniline	<51 U <51 U		<42	
4-Nitrophenol	(B) J	 	<18 J	
Bis(2-ethylhexyl)phthølete 2-Methyl-4,6-dinitrophenol	(5/ U <51 U		<83	
Fluorene	<10.U		<7	***
riudiale			18 J	
Pyrene	< 10 U		<7 J	e-18
•			•	
Values represent total concentrations unless	noted <= Not detected at in	ndicated reporting lin	nit = Not analyzed	

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

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Date: 02/07/96

SITE	D-07	D-07	D-07	D-07
SAMPLE ID	D-7	D-7	D-7	D-7
CONSTITUENT (Units in ug/l) 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-Tetrachiorophenol	<1.0		<1.0	<10
2,3,4,5-Tetrachlorophenol	<1.0		<1.0	<10
Pentechlorophenol	<1.0		<1.0	<10
Pentachlorophenol (GC/ECD)		<1 U		
2-Chlorophenol				- <del></del>
Phenol				
2-Methylphenol				<del></del>
4-Methylphenol				
2-Methylnephthalene	-			
Nitrobenzene				
2,4:Dimethylphenol	***			
Benzoic acid		<del></del>		***
2.4-Dichlorophenol				
1,2,4-Trichlorobanzene				
Vaphthalene 2,4,6-Trichlorophenol				
2,4,5-Trichloraphenol	***			
Acenaphthena				
3-Nitroaniline				
4-Nitrophenol				<b></b>
Bis{2-ethylhexyliphthalate				
2-Methyl-4,6-dinitrophenol	w=#			
Fluorana				
		₩=#		p
Pyrene				
		A. A. A. A. A. A. A. A. A. A. A. A. A. A		
		ا ــــــــــــــــــــــــــــــــــــ	imit Not and	d
Values represent total concantrations unless noted	< = Not detected at i	indicated reporting I	imit= Not Bhaiyze	u

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Date: 02/07/96

SITE p-07	D-07	D-08	D-08
SAMPLE ID D-7	D-7	D-8	D-8
CONSTITUENT (Units in ug/l) DATE 07/15/93	10/20/93	09/13/90	01/09/91
2,3,5,6-Tetrachlorophenol			
2,3,4,6-Tetrechlorophenal			
2,3,4,5-Tetrachlorophenol	***	Market .	
Pentachlorophenol		<50 U	<62 U
Pentachlorophenol (GC/ECD) <1	<1		
2-Chlaraphenol		<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	<u></u>	<10 U	<10 U
Benzoic acid	***	< 60 U	<52 U
2,4-Dichlorophenol		<10.0	<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		<60 U	<52 U
Bis(2-ethylhexyllphthalate		<10.0	<10 U
2-Methyl-4,6-dinitrophenol		<50 U	<52 U
Fluorens		<100	<10 U
Pyrene	+++	<10 U	<10 U
	hadasad	_Net	
Values represent total concentrations unless noted <= Not detected at	i indicated reporting limit	= Not analyzed	

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Date: 02/07/96

	SITE	D-08	D-08	D-08	<b>D-08</b>
	SAMPLE ID	D8-1030	D8-925	D-8	EPA Sample
CONSTITUENT (Units in ug/l)	DATE	05/30/91	09/25/91	12/18/91	01/16/92
2,3,5,6-Tetrachlorophenol					 0.86
2,3,4,6-Tetrachiorophenol					0.09
2,3,4,6-Tetrachiorophenol Pentachiorophenol		<51 U	(3) J	4	(5)#J
Pentachlorophenol (GC/ECD)				<1	
z-Chlorophenol		<10 U	<b>₹10</b> U	<del></del>	<7
Phenol		<10 U	<10 U		<7
?-Methylphenol		<10 U	<10 U	***	<b>&lt;</b> 7
I-Methylphenol	***************************************	<10 U	<10 U		<7
2-Methylnaphthalene		<10 U	<10 U		(0,4) J
litrobenzene		<10 U	<10 U		<7
2,4+Dimethylphenol		<10.0	<10 U	***	<7
Benzoic acid		<51 U	<52 U		<82
.4-Dichlorophenol		<10 U	<10 U		
,2,4-Trichlorobenzene		<10 U	<10 U		<7# 1#J
laphthalene		<10 U	<10 U		1# ⊍ <0.09#
2,4,6-Trichlorophenol		< 10 U	<10 U ≪52 U		<0.09# <0.17#
2,4,5-Trichlorophenol		< 61 U < 10 U	<0∠ ∪ <10 U		~0.1 <i>7#</i> <7
Acenaphthene		<51 U	<52 U		<82 J
3-Nitroaniline 1-Nitrophenol		<51 U	<52 U		<41
Fixitophenol lis(2-ethylhexyl)phthalata		<10 U	(6) J		<22
2-Methyl-4,6-dinitrophenol		<61 U	<52 U		<82
luorene		<10 U	<10 U		<7
				**************************************	10
Pyrene		<10 U	<10 U	<del></del>	(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

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Date: 02/07/96

SITE D-08	D-08	D-08	D-08
SAMPLE ID D-8 WEY AS	B-G	B-C	D-8
CONSTITUENT (Units in ug/l) DATE 01/16/92	07/14/92	10/27/92	02/03/93
2,3,5,6-Tetrachlorophenol	<1.0	bruits	<1.0
2,3;4,6-Tetrachiorophenol	<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-Chlaraphenol			***
Pheno!			•••
2-Methylphenol			
4-Methylphenol			
2-Methylnaphthalana			22.2
Nitrobenzene			
2.4-Dimethylphenol ***			
Benzoic acid			
2:4-Dichlorophenol			
1,2,4-Trichlorobenzene		***	
Japhthalene			****
2,4,6-Trichlorophenol			
2,4,5-Trichlorophenol ***	<del></del>		***
Acenaphthene	***		
3-Nitroaniline			
4-Nitrophenol	<del></del>		
Bis(2-ethylhexyl)phthalate			
2-Methyl-4,6-dinitrophenol			<del></del>
Fluorane			<del></del>
Pyrene	* <del></del>		<del></del>
	P 4 d	Nick on the city	
Values represent total concentrations unless noted <= Not detected at i	naicatea reporting limit	= NOT analyzed	
For RCL SEMIVOLS			

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Date: 02/07/96

1,3,5,6-Tetrachlorophenol					
CONSTITUENT   Unite in light    DATE   100-125X   07/16/93   10/20/3X   Dept. 13/90	SITE	D-08	D-08	D-08	D-09
3,5,6-Tetrachlorophenol   <10	SAM	PLE ID D-8	B-0	D-8	D-9
3,3,4,5 Tetrachlorophenol	CONSTITUENT (Units in ug/l) DATE	05/12/93	07/15/93	10/20/93	09/13/90
3,3,4,5 Tetrachlorophenol					
10					
STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STORY   STOR	WW-44-44-44-44-44-44-44-44-44-44-44-44-4	\$55\$\$45\$\$45\$\$4\$\$4\$\$	***		***
Pertachlorophenol (GC/ECD)				***	
Chieroptiecol	***************************************		 < 1	<1	
Thenol			, . 		<10 ∪
Methylphanol				<del></del>	: 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C \$ 25 C
Methylphenol					<b>5</b> J
Iltrobanzene	4-Methylphenol				<10 U
A-Directly phenol	2-Methylnaphthalene			<del></del>	17
Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Service   Serv	Nitrobenzene	www			
A-Dichirophanol	2,4-Dimethylphenol		444		
2.4-Trichlorobenzene	Benzoic acid				
Imphthaliene				<del></del>	,000,000,000,000,000
A,4-6-Trichlorophenol					
A   5-Trichiorophenol	AV 000 100 100 100 100 100 100 100 100 10				000000000000000000000000000000000000000
Compatible			4-4	H+4	
- Nitrophenol	***************************************	***	<b>40</b> to -10		55551555555555555555555555555
Nitrophenol <51 U  lis(2-ethylhexyl)phthalate <51 U  <51 U  fluorene <10 U  <10 U  <10 U		<del></del> -	<del></del> -		<51 U
2-Methyl-4,6-dinitrophenol < 51 U	4-Nitrophenol				<61 U
Lorene	Bis(2-ethylhexyl)phthalate				<10 U
	2-Methyl-4,6-dinitrophenol		===		<51 U
	Fluorene				<10 U
'alues represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed	Pyrene		<del></del> -	<del></del>	<10 U
'alues represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed					
/alues represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed					
/alues represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed					
/alues represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed					
/alues represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed					
/alues represent total concentrations unless noted <=Not detected at indicated reporting limit=Not analyzed			***************************************		
/alues represent total concentrations unless noted <= Not detected at indicated reporting limit= Not analyzed					
	Values represent total concentrations unless	noted <=Not detected at	indicated reporting lim	it=Not analyzed	

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Date: 02/07/96

SITE	D-09	D-09	D-09	D-09
SAMPLE ID	D-9	D9-0945	D9-925	D-9
CONSTITUENT (Units in ug/l) 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	<52 U	<51 U	
Pentachlorophenol (GC/ECD)				<1
2-Chlarophenol	<10 ∪	<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	L (6)	(9) J	<del></del> -
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 ∪	
1,2,4-Trichlorobenzene	<10 U	< 10 U	<10 U	
Vaphthalene	15	(9) J	(7) J	
2,4,6-Trichlorophenol	<10 U	<10 U	<10 U	
2,4,5-Trichlorophenol	< 52 U	< 52 U	<61 U	
Acenaphthene	<10 U	<10 U	<10 U	
3-Nitroanilina	<62.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	<del></del>
Pyrana	<10.0	<10 U	<10 U	<del></del>

Values represent total concentrations unless noted <=Not detected at indicated reporting limit ---=Not analyzed

()=Less than Detection Limit

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SIT		D-09	D-0a	D-09
	MPLEID D-9	D-9 10/27/92	D-9 02/03/93	D-9 05/12/93
CONSTITUENT (Units in ug/l) DA	TE 07/14/92	10/2/192	02/03/30	50,1200
2,3,5,6-Tetrachiorophenol	<1.0		<1.0	<10
2,3,4,6-Tetrachlorophenol	<1.0		<1.0	<10
2,3,4,5-Tetrachiorophenol	<1.0		<1.0	<10
Pentachiarophenol	<1.0		<1.0	<10
Pentachlorophenol (GC/ECD)		<1 U		
2-Chlarophenol				
Phenol		54 W P		
2-Methylphenol				
4-Methylphenol				
2-Methylnephthalene	<del></del>			
Nitrobenzene				
2:4-Dimethylphenol Benzoic ecid				***
2:4:Dichlorophenoi				
1,2,4-Trichlorobenzene				****
Vaphthalane				
2,4,6-Trichlorophenol	<b>#==</b>	*		
2,4,5-Trichlorophenol				<del>-1-1-</del>
Acenaphthene			<b>464</b>	
3-Nitroanilina	<del>1-1</del>			
4-Nitrophenol				
Bis(2-ethylhexyl)phthelete		<del></del>		<del></del>
2-Mathyl-4,6-dinitrophenol				
Fluorene				
				++1
Pyrene	<del></del>			
	***************************************			
Values represent total concentrations unles	ss noted <=Not detected a	at indicated reporting li	mit= Not analyzed	
				•

Page: 1AB of 1AB

Weyco Aberdeen Date: 02/07/96

SITE	D-09	D-09	PURGEWATER	
SAMPLEID	D-9	D-9	DRUM SAMPLE	
CONSTITUENT (Units in ug/l) DATE	07/15/93	10/20/93	05/25/90	
2,3,5,6-Tetrachlorophenol				
2,3.4,6-Tetrachiorophanal				
2,3,4,5-Tetrachlorophenol			***	
Pentachlorophenol			850 E	
Pentachlorophenol (GC/ECD)	<1	<1		
2-Chlorophenol	<del></del>		<10 U	
Phenol			4 J	
2-Methylphenol			<10 U	
4-Methylphenol		***	2 J	
2-Methylnaphthalane			<10 U	
Nitrobenzene			<10 U	
2,4-Dimethylphenol			<10 U	
Benzoic acid			41 J	
2,4-Dichlorophenol			<10 U	
1,2,4-Trichlorobenzene		<del></del>	<10 U	
Naphthalene		<del></del>	< 10 U < 10 U	
2,4,6-Trichlorophenol			18.J	
2,4;5-Trichlorophenol	***	<del></del>	< 10 U	
Acenaphthene			<52 U	
3-Nitroaniline		****	<52 U	
4-Nitrophenol			<10 U	
Bis(2-ethylhexyl)phthalate	<del></del>		<52 U	
2-Methyl-4,6-dinitrophenol		<del></del>	<10 U	
Fluorene		<del></del>		
	<del></del>		<10 U	
Pyrene				
				***************************************
		***************************************	1000 Per 1000 Barbara 1000 Barbara 1000 Barbara 1000 Barbara 1000 Barbara 1000 Barbara 1000 Barbara 1000 Barba	
	1900 p. 1990 by Balland Control of Control of Control of Control of Control of Control of Control of Control o	erende e e god bod bot de la confidence e con la confidence e con la confidence e con la confidence e con la confidence e con la confidence e con la confidence e con la confidence e con la confidence e con la confidence e con la confidence e con la confidence e con la confidence e con la confidence e con la confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confidence e confiden		
Values represent total concentrations unless noted	<=Not detected at in	ndicated reporting lim	it= Not analyzed	
- · ·				

Page: 1A of 1A

Date: 03/05/96

SITE	DATE	(mg/l)	(mg/l)					
D-01	05/30/91	<1.0 ≤1.0						
D-01 D-02	12/18/91 09/13/90	<1.0					001400010000100001000000000000000000000	
D-02	05/30/91	<1.0						
D-02	12/18/91	<1.0						
D-03	N. M. M. M. M. M. M. M. M. M. M. M. M. M.	<1.0						
D-03 D-03	05/30/91 12/18/91	<1.0 <1.0	 					
1								
		•						
Values represent to	stal concentration	e unless noted	<=Not detect	ed at indicated	reportina limit	=Not anaivze	ıd	
values represent to	vai chileautatiott	o alticoo tiotoa	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 2 - 2 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2	1			
For RCL HYDROC	ARBO							



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#### RECEIVED

# APR 1 4 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)<sup>1</sup> Method C cleanup levels for PCP. All the excavated areas have been backfilled with clean fill, and

Chapter 173-340 WAC, "The Model Toxics Control Act Cleanup Regulation; Method A Cleanup Levels." Amended January 1996.

Mr. Dom Reale April 13, 1998 Page 2

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.

Mr. Dom Reale April 13, 1998 Page 3

# 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

> 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.

Bellean

Sincerely,

**EMCON** 

L. 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.

