Taylor Lumber and Treating Site
Integrated Assessment Report
Sheridan, Oregon
TDD: 99-03-0006

Contract: 68-W6-0008
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Region 10

START

Superfund Technical Assessment and Response Team

Submitted To: Mark Ader, Site Assessment Manager
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TAYLOR LUMBER AND TREATING SITE
INTEGRATED ASSESSMENT REPORT
SHERIDAN, OREGON

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LIST OF ACRONYMS

Acronym	Definition
%R	percent recovery
AC	adjusted concentration
AOC	area of concern
AST	aboveground storage tank
bgs	below ground surface
BNA	base/neutral and acid extractable organic compounds
BTEX	benzene, toluene, ethylbenzene, and xylene
CAS	Columbia Analytical Services, Inc.
cPAHs	carcinogenic polynuclear aromatic hydrocarbons
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund)
CFR	Code of Federal Regulations
CLP	Contract Laboratory Program (EPA)
CLPAS	Contract Laboratory Program Analytical Service
CRQL/CRDL	Contract Required Quantitation/Detection Limit
dioxin	dioxin/furan congeners
dNAPL	dense nonaqueous phase liquid
DQOS	data quality objectives
DL	detection limits
dup	duplicate
E & E	Ecology & Environment, Inc.
EPA	United States Environmental Protection Agency
ESAT	Environmental Services Assistance Team (EPA)
FI	Facility Investigation
ft^2	square feet
GPS	Global Positioning System
Hi-vol	General Metal Works, Inc. Model 2000™ high volume air sampler
IA	Integrated Assessment

LIST OF ACRONYMS

Acronym	Definition
IDL	instrument detection limit
IDW	investigation-derived waste
L	liter
LSI	listing site inspection
m^3	cubic meters
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MCL	maximum contaminant level
MET	meteorological
MFA	Maul Foster & Alongi, Inc.
mL	milliliter
mph	miles per hour
m/s	meters per second
MS/MSD	matrix spike/matrix spike duplicate (sample)
NAPL	nonaqueous phase liquid
ng/L	nanograms per liter
ng/kg	nanograms per kilogram
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
ODEQ	Oregon Department of Environmental Quality
ODWR	Oregon Department of Water Resources
OSHA PELs	Occupational Safety and Health Administration permissible exposure limits
PAHs	polynuclear aromatic hydrocarbons
PCB	polychlorinated biphenyl
PCP	pentachlorophenol
pg	picogram
PPE	probable point of entry
PRGs	EPA Region 9 preliminary remediation goals
QA/QC	quality assurance/quality control

LIST OF ACRONYMS

Acronym	Definition
R^2	correlative coefficients
RA	removal assessment
RCRA	Resource Conservation and Recovery Act (EPA)
RM	river mile
RP	responsible party
RPD	relative percent difference
SAM	Site Assessment Manager (EPA)
SDWA	Safe Drinking Water Act
SE/E	Sweet-Edwards/EMCON, Inc.
SOP	standard operating procedures
SQAP	sampling and quality assurance plan
SQL	sample quantitation limit
SWMUs	solid waste management units
START	Superfund Technical Assessment and Response Team (EPA)
SVOCs	semivolatile organic compounds
SWOK	Southwest Laboratory of Oklahoma
TAL	Target Analyte List (CLP)
TCL	target compound list
TDD	Technical Direction Document
TDL	Target Distance Limit
TEQ	total equivalence quotient (dioxin)
TLT	Taylor Lumber and Treating, Inc.
TM	Task Monitor
TOC	total organic carbon
T/Y	tons per year
UST	underground storage tank
$\mu g/m^3$	micrograms per cubic meter
µg/kg	micrograms per kilogram
µg/L	micrograms per liter

LIST OF ACRONYMS

Acronym	Definition
VOCs	volatile organic compounds

TAYLOR LUMBER AND TREATING
INTEGRATED ASSESSMENT
SHERIDAN, OREGON

1. INTRODUCTION

The United States Environmental Protection Agency (EPA) has tasked Ecology and Environment, Inc. (E & E) to provide technical support and conduct an Integrated Assessment (IA) at the Taylor Lumber and Treating site located in Sheridan, Oregon. E & E completed the IA activities under Technical Direction Document (TDD) Number 99-03-0006 issued under EPA, Region 10, Superfund Technical Assessment and Response Team (START) Contract Number 68-W6-0008.

The specific goals for this IA, intended to address both removal assessment (RA) and site assessment objectives, are presented below:

- Conduct RA of contaminated soil, surface water, sediment, and groundwater located at the site;
- Collect and analyze samples to characterize the potential sources discussed in Section 6;
- Determine off-site migration of contaminants;
- Provide EPA with adequate information to determine whether the site is eligible for placement on the National Priorities List (NPL);
- Document any threat or potential threat to public health or the environment posed by the site; and
- Determine whether removal actions are warranted.

Completion of the IA included reviewing site information, determining waste characteristics, collecting receptor information within the site's range of influence, executing a site-specific sampling plan, and producing this report.

This document includes site background information (Section 2), field sampling activities and analytical protocols (Section 3), quality assurance/quality control (QA/QC) criteria (Section 4), analytical results reporting and background sampling (Section 5), potential sources (Section 6), migration/exposure pathways and targets (Section 7), removal assessment discussion (Section 8), summary and conclusions (Section 9), and references (Section 10).

After the IA field activities in May and June 1999, a removal action was initiated and currently is ongoing. The removal action is being conducted by the consultant for the responsible parties (RPs), Maul Foster & Alongi, Inc. (MFA). START is performing limited components of the RA and overseeing MFA's activities.

2. SITE BACKGROUND

This section describes the site location (Section 2.1), site description (Section 2.2), site ownership history (Section 2.3), site operations and waste characteristics (Section 2.4), site characterization (Section 2.5), and summary of IA investigation locations (Section 2.6).

2.1 SITE LOCATION

Site Name:	Taylor Lumber and Treating
CERCLIS ID No.:	ORD009042532
Location:	22100 Southwest Rock Creek Road Sheridan, Oregon 97378
Latitude:	45° 06' 00.0" North
Longitude:	123° 25' 30.0" West
Legal Description:	Northeast quarter of Section 33 and the Northwest quarter of Section 34, Township 5 South, Range 6 West
Site Owners:	Karen Taylor and Lucinda Hoffman Taylor Lumber and Treating, Inc. 22100 Southwest Rock Creek Road Sheridan, Oregon 97378 (503) 843-2122
Operations Manager/ Site Contact:	Roland Mueller Taylor Lumber and Treating, Inc. 22100 Southwest Rock Creek Road Sheridan, Oregon 97378 (503) 843-2122
RP Consultant:	Steve Taylor Maul Foster & Alongi, Inc. (MFA) 7223 N.E. Hazel Dell Avenue, Suite B Vancouver, Washington 98665 (360) 694-2691

2.2 SITE DESCRIPTION

The Taylor Lumber and Treating (TLT) site is an active wood processing and treating business located approximately 1 mile west of Sheridan, Oregon at the intersection of Southwest Rock Creek

Road and Oregon State Highway 18B (Valley Highway). The wood treating facility is located approximately 300 feet north of the South Yamhill River in Yamhill County, Oregon (Figure 2-1 [USGS 1970]; Figure 2-2). Rock Creek is located approximately 300 yards from the western-most property boundary of the wood treating facility. The property encompasses approximately 234 acres, most of which is used for agricultural purposes; however, approximately one-fourth of the property is used as a sawmill and planing facility, and another quarter is used for the wood treating facility (MFA 1997). Agricultural land surrounds the site on the north, south, and east sides.

The TLT site physically is split by Southwest Rock Creek Road into the east and west facilities. The east facility includes the main offices, maintenance shop, sawmill facility, log storage area, end-painting facility, planing mill, boiler, fire protection pond, and a waste pile (Figure 2-2). A chipping plant and the former peeler facility are located east of the sawmill. These were a part of the TLT facility until 1998, when they were purchased by Sheridan Forest Products (E & E 1999a; E & E 1999c). The west facility includes the treatment plant, treated and untreated (white) pole storage areas, another peeler, an old equipment storage area, truck maintenance shop, and one waste pile (Figure 2-2). The truck maintenance shop is located directly north of the treatment plant. The treatment plant consists of a P-9 oil tank farm with 13 aboveground storage tanks (ASTs) with secondary containment; an ABC tank farm with three creosote-containing ASTs with secondary containment; a retort area with secondary containment and associated drip pads; an evaporator; and a noncontact cooling water spray pond. The peeler and old equipment storage area are located south of the treatment plant, and the treated pole and white pole storage areas are located to the north and west, respectively (Figure 2-2; MFA 1997; E & E 1999a; E & E 1999c). Further, the Willamette Pacific Railroad operates an east-west line through the site and hauls treated and untreated wood products through the site area approximately twice a day (Figure 2-2; E & E 1999a; E & E 1999c).

2.3 SITE OWNERSHIP HISTORY

In 1946 John Taylor purchased the sawmill located on Southwest Rock Creek Road. Mr. Taylor purchased the land for the wood treating facility in 1966. This land was used for a drive-in movie theater before Mr. Taylor's purchase. In 1967 Mr. Taylor died, and his wife, Catherine Taylor, assumed ownership of the company. After Mrs. Taylor's death in 1983, her daughters, Karen Taylor and Lucinda Hoffman, assumed ownership of the company. The chipping plant was purchased from Boise Cascade in 1985 and sold to Sheridan Forest Products in March 1998 (E & E 1999a).

The site is currently owned by Karen Taylor and Lucinda Hoffman. Operations at the site are overseen by Roland Mueller, the operations manager.

2.4 SITE OPERATIONS AND WASTE CHARACTERISTICS

The TLT site operates as a sawmill (east facility) and wood treating facility (west facility). Operations at the site are conducted 24 hours per day, seven days per week, with operations reduced during night shifts (E & E 1999a).

2.4.1 East Facility

The sawmill began operating in 1946. Its operations include the peeling, milling, planing, and chipping of raw wood to produce lumber products. Finished and unfinished wood products are stored north of the sawmill and east of the main offices. The ends of the finished lumber products are painted in order to prevent moisture loss. Wood chips and bark are burned in the boiler, which generates steam for the facility. Ash from the boiler is deposited in an unlined waste pile located west of the white pole storage facility. From the 1960s through the 1980s, wood waste and debris were deposited in a waste pile named Moe's Mountain, located east of the planing mill, adjacent to Chip Mill Road (E & E 1999a). This 660-feet-by-360-feet waste pile is approximately 15 feet tall and is covered with blackberry bushes (E & E 1999c). A wetland is adjacently located southwest of the waste pile (E & E 1999c). A fire protection pond (surface impoundment) is located east of the boiler and contains water to be used in the event of a facility fire (Figure 2-2; E & E 1999c).

2.4.2 West Facility

The wood treating facility began operating in autumn 1966 (E & E 1990). The wood treating facility's primary functions are to condition and pressure-treat wood products with preservatives in order to prolong the useful life of the products (MFA 1997). Wood products treated at the facility include lumber, poles, pilings, posts, railroad ties, and plywood (MFA 1997). Wood preserving chemicals, which historically have been used at this facility and are still in use, include petroleum-based creosote and pentachlorophenol (PCP) solutions (MFA 1997). Chemonite, a 3-percent water-based solution containing arsenic acid, copper salts, zinc, and ammonia, also was used as a wood preserving chemical at the site from 1982 to 1996 (MFA 1997).

The wood treating chemicals are stored in ASTs located in two separate tank farms located north (ABC tanks) and south (P-9 tanks) of the retort area (Figure 2-2). The ASTs in the ABC tank farm contain creosote. The ASTs in the south tank farm contain P-9 oil, which is mixed with solid PCP and subsequently used for wood treatment. The solid PCP (granular or flakes) is added through hatches on top of the P-9 tanks to produce a 5-percent PCP solution. The P-9 tanks contain virgin (base) P-9 oil and PCP-enriched P-9 oil. Sludges that accumulate inside the ABC creosote and P-9 oil tanks periodically are drummed and disposed of off site as hazardous waste (E & E 1999a). In 1998, the bottoms of the tanks were replaced with secondary containment cones. During an emergency response in February

1999, START observed large cracks in the secondary containment structures, that previously had been repaired with a foam sealant (E & E 1999a, 1999b).

The treatment cycle begins with the drying of the white wood in a pole dryer (MFA 1997). This untreated wood is stored in the white wood storage area to the west of the treatment plant and transported with heavy forklift equipment called Pettibones™ (E & E 1999c). Once the wood is dry, it is placed into a retort, and a vacuum is applied to remove additional moisture from the wood (MFA 1997). Then the wood preserving chemical is applied to the wood under pressure, with a vacuum being drawn at the end of the treatment to remove the excess preservative which is stored for reuse in the ABC tank farm (MFA 1997). After removal of the excess preservative, the treated wood is removed from the retort and placed on steel drip trays over the drip pads (MFA 1997). Steel drip pans are positioned beneath the exit lip of each retort within the secondary containment to collect and recycle any excess liquids that may drain from the treated wood as it is removed from the retort chambers (Figure 2-2; E & E 1990). Once dripping ceases, treated products are moved from the drip pad to the treated pole storage area located north of the retort area (Figure 2-2; MFA 1997).

Liquids that accumulate in the tank farm secondary containment and in the drip pads are placed in an open-top evaporator tank, which heats the liquids to remove water and recycles the denatured product. The retort drip pads are covered by a roof to minimize rainwater collection. Steam from this process is expelled into the atmosphere through a stack (E &E 1999c). The TLT facility operates under an Oregon Department of Environmental Quality (ODEQ) Air Contaminant Discharge Permit (No. 36-7004; E & E 1990). The permit regulates the emissions of sulfur dioxide, carbon monoxide, nitrogen dioxide, suspended particulates, and volatile organic compounds (VOCs), which are limited to 8.9 tons per year (T/Y), 94.0 T/Y, 52.9 T/Y, 50.1 T/Y, and 23.4 T/Y, respectively. The site is located in an area that is in attainment for all pollutants, as specified by the state of Oregon, and is not located within 100 kilometers of a Class I air quality protection area (ODEQ 1998).

Stormwater runoff from the site is collected in a series of catch basins, storm drains, and ditches and is channeled to four outfalls (Nos. 001, 002, 003, and 005) under a National Pollutant Discharge Elimination System (NPDES) permit (No. 87487; MFA 1997) that limits oil and grease, arsenic, copper, zinc, and PCP concentrations to monthly averages of 10 milligrams per liter (mg/L), 0.048 mg/L, 0.012 mg/L, 0.110 mg/L, and 0.013 mg/L, respectively. Stormwater from outfalls Nos. 001, 002, and 003, associated with the wood treating area, are discharged to a drainage ditch along Southwest Rock Creek Road after being routed through a series of oil/water separators and retention ponds. This drainage ditch enters the South Yamhill River at a point 300 feet south of the site (Figure 2-2; E & E 1990). Stormwater from outfall No. 005, associated with the white pole storage area, is discharged to a drainage ditch south of the site along Oregon State Highway 18B. Stormwater from this drainage ditch enters the same

drainage ditch as outfalls Nos. 001 through 003 before entering the South Yamhill River (Figure 2-2). Almost all of the catch basins, drains, and ditches are unlined (E & E 1999b).

Before the construction of the retort's steel drip pad in 1991, the pad was constructed of a 2- to 3-inch veneer of fine-grained sediments consisting of wood fragments and dust followed by a 3- to 4-inch layer of treated wood timbers that was underlain by a 3-foot layer of crushed gravel base rock (E & E 1990). To construct the new steel drip pad, 3 to 5 feet, measuring approximately 60 feet by 150 feet by 18 feet, of contaminated soil were excavated in 1996 (E & E 1999c; MFA 1997). Initially, the excavated soil, measuring approximately 60 feet by 150 feet by 18 feet, was placed approximately 100 feet southwest of the treatment plant shop (E & E 1999c). Eventually, this contaminated soil was placed at the current location of the log peeler (built in 1994), at the south border of the site, and capped with asphalt (Figure 2-2; E & E 1999a; E & E 1999c).

An unlined lagoon was formerly located under the treatment plant shop. The lagoon was reportedly used for cooling purposes and was operated until the 1970s (Figure 2-2; E & E 1999c). A second cooling pond, also called the vault, was used during the 1980s and is located adjacent and south of the retort area (Figure 2-2; E & E 1999c). Soil was excavated from the vault area to comply with the EPA Resource Conservation and Recovery Act (RCRA) requirements and disposed of in an unknown manner (Long 1999). The area was capped with cement, and drums of creosote product were used as subsurface support and filler. In 1990, the area was re-excavated again to comply with RCRA requirements. The drums were disposed of in an unknown manner (E & E 1999b; Long 1999; MFA 1997). The volume of the vault was reportedly 6,000 cubic feet (20 feet by 30 feet x 10 feet); the area is now filled with solid concrete mixed with pea gravel (E & E 1999c).

Contaminated soils associated with the removal of underground storage tanks (USTs) located throughout the site were excavated and bioremediated for petroleum compounds under the oversight of ODEQ in the early 1990s. After the soil underwent bioremediation, it was placed in a waste pile, currently used for the deposition of hog fuel ash, located west of the white pole storage area (Figure 2-2; E & E 1999c).

2.5 SITE CHARACTERIZATION

This section includes a list of inspections, investigations, and actions performed before the IA. Though numerous inspections, investigations, and actions have been performed previously at this site, only those which included the most pertinent and relevant information for this IA were selected for discussion below. These investigations include the EPA listing site inspection (LSI; Section 2.5.1.1.), the Phase I RCRA Facility Investigation (RCRA FI; Section 2.5.1.2), the February 1999 START Emergency Response (Section 2.5.1.3), and the September 1999 START Emergency Response (Section 2.5.1.4).

2.5.1 Previous Investigations

The following list summarizes previous inspections, investigations, and actions performed at the TLT site (MFA 1997; E & E 1999b):

- A Phase I Groundwater Assessment performed by Sweet-Edwards/EMCON, Inc. (SE/E) for TLT in 1988;
- A Preliminary Assessment performed by E & E for the EPA in 1988;
- A Site Inspection performed by E & E for the EPA in 1988;
- An LSI performed by E & E for the EPA in 1990;
- A Drum Removal Report written for TLT by SE/E in 1991;
- A Drip Pad Soil Characterization performed by SE/E for TLT in 1991;
- A RCRA FI performed by SE/E for TLT in 1991;
- An UST decommissioning report written by EMCON, Inc. for TLT in 1992;
- A Vault Closure Plan drafted for TLT by EMCON, Inc. in 1994;
- A RCRA Facility Assessment prepared by the EPA in 1994;
- A stockpiled soil sampling performed by SE/E for TLT in 1995;
- A Phase I RCRA FI performed by MFA for TLT in 1996;
- A TLT emergency response performed by E & E for the EPA in February 1999; and
- A TLT emergency response performed by E & E for the EPA in September 1999.

2.5.1.1 Listing Site Inspection

In 1989, EPA tasked E & E to perform an LSI of the TLT site. As part of this inspection, 17 groundwater, 19 sediment, three surface water, 72 soil, and 50 air samples were collected in order to evaluate the site's potential for inclusion on the NPL. Soil, groundwater, sediment, and surface water samples were analyzed for inorganic compounds and base/neutral and acid extractable organic compounds (BNA) included on the EPA Target Compound List through the EPA Contract Laboratory Program (CLP). Air samples were analyzed for inorganic analytes, BNAs, and PCP by a commercial laboratory following EPA Methods 6000/7000 series and TO-13 (E & E 1990).

Analytical results indicated elevated levels of arsenic, copper, magnesium, mercury, nickel, sodium, zinc, BNAs, and PCP in on-site surface soil samples, on-site drainage ditch sediment samples, and roadside ditch sediment samples (E & E 1990). On-site borehole samples, collected 4 to 5 feet below ground surface (bgs), contained elevated levels of arsenic, copper, polynuclear aromatic hydrocarbons (PAHs), and PCP. Surface and subsurface soils near the former lagoon and south of the treatment plant contained high concentrations of metals, including arsenic. In addition, stained soil was observed next to the end-painting facility and found to contain elevated concentrations of PCP, BNAs, and metals.

Groundwater samples collected from on-site monitoring wells and piezometers contained elevated levels of arsenic, copper, nickel, zinc, BNAs, and PCP. A groundwater sample collected from one off-site domestic well (no longer utilized for domestic purposes) contained elevated levels of nickel and zinc. Air sample data, collected over a six-day period, indicated elevated levels of arsenic, copper, magnesium, zinc, semivolatile organic compounds (SVOCs), and PCP. Some of the air samples contained concentrations of PCP that exceeded the Occupational Safety and Health Administration (OSHA) permissible exposure limits (PELs). Soil samples collected from nearby residences contained elevated levels of arsenic, copper, and zinc. Sediment and soil samples collected from the South Yamhill River did not contain elevated levels of inorganic elements or BNAs, including PCP (E & E 1990).

2.5.1.2 Phase I RCRA Facility Investigation

A Phase I RCRA FI was performed by MFA for TLT in 1996. Numerous solid waste management units (SWMUs) and areas of concern (AOCs) were identified throughout the TLT facility and were listed in the Facility Inspection Report (MFA 1997). A description and location of the SWMUs and AOCs at the TLT site are presented in Appendix A. The RCRA FI included surface and subsurface soil sampling, sediment sampling, and groundwater sampling. Surface and subsurface soil samples were collected from treated wood storage areas and from the treatment plant area. Locations of surface and subsurface soil samples are presented on Figures 2-3 and 2-4. Sediment samples were collected from on-site stormwater drainage ditches and from roadside ditches along Southwest Rock Creek Road and Oregon State Highway 18B. Soil and sediment samples were analyzed for PAHs and PCP by EPA screening Method 8015M and for PAHs and PCP, chlorinated phenolics, and metals by EPA Methods 3040A/8270, 3540A/8151M, and 7060, respectively. Samples also were analyzed for arsenic, chromium, copper, and zinc using EPA Method 7060. Thirteen monitoring wells were installed during this investigation to facilitate monitoring for dissolved wood-treating constituents and nonaqueous phase liquids (NAPLs) and to establish a background reference. Groundwater samples, collected from both new and previously established monitoring wells, were monitored for water quality parameters and analyzed for PAHs (EPA Method 8310); chlorinated phenolics (EPA Method 8151M); benzene, toluene, ethylbenzene, and total xylenes (BTEX; EPA Method 8260A); metals (EPA Method 6010A/7060); organophosphorus pesticides (EPA Method 8151); and dioxins/furans (EPA Method 8280; MFA 1997).

According to MFA (1997), PAHs, PCP, and metals were present at concentrations above EPA Region 9 preliminary remediation goals (PRGs) for industrial soil in the shallow soil samples collected from treated wood storage areas. These concentrations were not observed in the subsurface soil samples collected from these areas, even though NAPL was visually observed in subsurface soils in an area encompassing approximately 70,000 square feet. Screening and analysis of sediment samples revealed the presence of PAHs, PCP, and metals collected from the on-site drainage ditch near the treating plant

and from the roadside ditches. Product was observed at depths to 17.5 feet in subsurface soil samples collected from the boreholes around the treatment plant. Groundwater samples collected from monitoring wells on the edge of the NAPL plume (based on the borehole visual observations) were found to contain wood-treating constituents including dioxins/furans, VOCs, PAHs, PCP, metals, and chlorinated phenolics (MFA 1997).

2.5.1.3 February 1999 Emergency Response

On February 26, 1999, the START responded to a discharge of approximately 3,500 gallons of 5-percent PCP-enriched P-9 oil from the P-9 tank farm. The solution flowed overland across the treated pole storage yard and collected in on-site drainage ditches. Solution which collected in the on-site drainage system passed through a series of oil/water separators before discharging into the Rock Creek Road drainage ditch, which drains to the South Yamhill River. An oily sheen was observed on the South Yamhill River during this incident. Surface water samples were collected upstream and downstream by TLT at the NPDES outfalls to the Rock Creek Road drainage ditch and at the city of Sheridan's drinking water intake (approximately 1.5 miles downstream of the outfall). The samples were submitted to a commercial laboratory for PAH and PCP analysis following EPA Method 8270. Analysis of these samples indicated the presence of PCP and benzo(a)pyrene at concentrations exceeding the Safe Drinking Water Act (SDWA) maximum contaminant levels (MCLs; E & E 1999b).

During the response, START also obtained data from surface water sampling of the outfalls to the Rock Creek Road drainage ditch conducted in accordance with TLT's NPDES permit from November 1998 to February 1999. Sample results indicate that discharge from these outfalls regularly exceeded the NPDES discharge limitations throughout this four-month period (E & E 1999b).

To clean up the spill, TLT removed the free product from the drainage ditches with a vacuum truck. However, soil lining the drainage ditches, which may have been impacted by the spill, was not removed (E & E 1999b).

2.5.1.4 September 1999 Emergency Response

On September 10, 1999, START responded to a spill of approximately 27,448 gallons of reclaimed creosote and wastewater from the P-9 tank farm. The creosote and wastewater spilled when the legs of one tank pushed through the concrete floor in the tank pad, causing the tank to tip over into two other adjacent tanks, spilling the contents of all three tanks. The majority of the spilled creosote and wastewater was contained within the tank farm's secondary containment structure. However, a breach in the secondary containment was discovered when creosote oil was observed in the Rock Creek Road ditch, directly east of the retorts. Creosote and wastewater had leaked out of the secondary containment structure and flowed to the Rock Creek Road ditch through underground utility lines. Product was

observed to have flowed to within 100 feet of State Highway 18B before it stopped. No surface water was present in the ditch during the incident (E & E 1999d).

To clean up the spill, TLT emptied the remaining product from the damaged tanks and pumped the free product in the secondary containment into another tank. The damaged and stained concrete flooring of the tank pad was removed, as well as underlying contaminated soil. TLT removed the free product from the Rock Creek Road ditch with a vacuum truck and excavated associated contaminated soils (E & E 1999d).

2.6 SUMMARY OF IA INVESTIGATION LOCATIONS

Based on a review of historical and background information and discussions with site representatives, areas and features within the site were identified for investigation during the IA as potential Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) hazardous substance sources. In addition, on- and off-site locations were identified as possible receptors of contamination originating from these sources. These potential sources and receptors are listed below.

Potential Sources:

- **Hog-Fuel Ash and UST Bioremediated Soil Pile.** Ash from the burning of hog fuel (wood chips) in the boiler at the sawmill and various debris from TLT are regularly deposited west of the white pole storage area. Additionally, bioremediated soil, associated with site UST decommissioning, was placed here. Potential contaminants of concern in this area are PAHs, PCP, dioxin/furans, pesticides, and metals.
- **Treatment Plant Surface and Subsurface Soils.** Features in this area include P-9 oil and ABC creosote tank farms, retorts, drip pads, an evaporator, a spray pond, a shop, a former lagoon, an old equipment storage area, and capped contaminated soil from the retort drip pad excavation. Wood treating operations occur in this area. NAPL was observed in subsurface soils and groundwater. Surface soil samples from previous investigations indicated elevated concentrations of PAHs, PCP, dioxins/furans, VOCs, pesticides/PCBs, and metals.
- **Treatment Plant Process Oil Tanks.** Base oil, PCP-enriched oil, creosote, and reclaimed creosote oil are used during treatment plant operations and stored in two tank farms, the P-9 oil and ABC tank farms. Product in these tanks may have migrated into site soils and underlying groundwater through periodic spills and leaks from the tanks and through the application of these oils to the wood products. Potential contaminants of concern in this area are VOCs, PAHs, PCP, dioxin/furans, and metals.
- **Treatment Plant Oil/Water Separator Retention Ponds.** Four ponds, located in the middle ditch of the treatment plant area, are used to retain oily surface water runoff and sludge before it is passed through the oil/water separators and discharged into the Rock Creek Road ditch. During the field event, START personnel observed that the check valves in the oil/water separators, which prevents back flow of waste water, are not serviced or regularly inspected. Failure of this valve could cause the separators to overflow. Potential contaminants of concern in these ponds are PAHs, PCP, dioxin/furans, VOCs, pesticides, and metals.

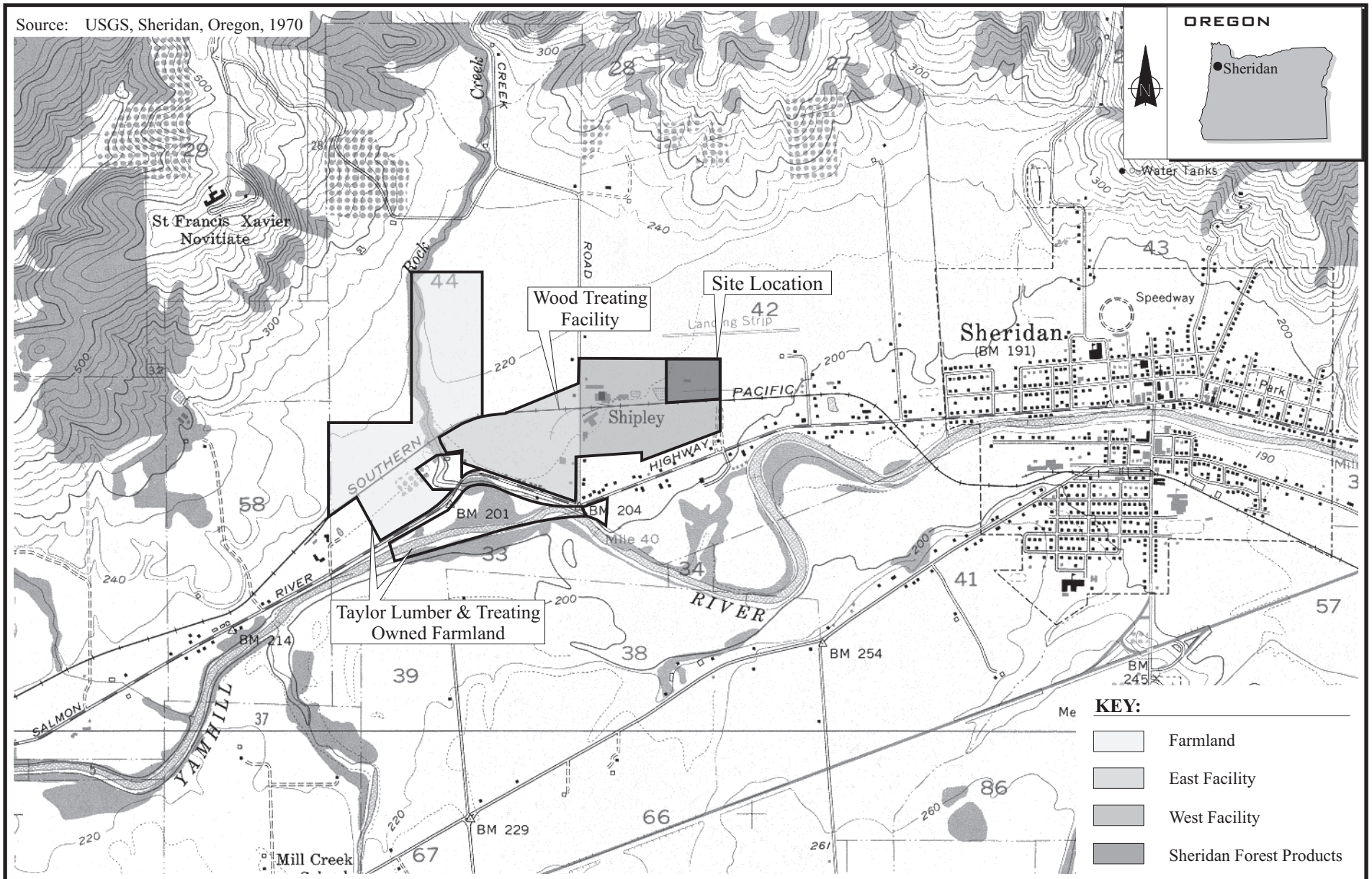
- **Treated Pole Storage Area Surface and Subsurface Soils.** Treated wood is stored over exposed soil in areas north and west of the drip pads. Potential contaminants of concern in these areas are PAHs, PCP, dioxins/furans, VOCs, pesticides, and metals.
- **White Pole Storage Area Surface and Subsurface Soils.** Untreated wood is stored over exposed soil in areas west of the treatment plant. Contaminants from the treatment plant and treated pole storage areas may have migrated to the white pole storage area on the tires of the Pettibones, which are used daily to transport both treated and untreated poles. In addition, poles treated with both creosote and Chemonite are used as supporting racks for the untreated poles. Potential contaminants of concern are PAHs, PCP, dioxins/furans, pesticides, and metals.
- **Subsurface Soils Under the Peeler.** Contaminated soils excavated before the construction of the new drip pads were placed in this area and capped with asphalt. Potential contaminants of concern are PAHs, PCP, dioxins/furans, VOCs, pesticides, and metals.
- **Other Areas of Surface and Subsurface Soil.** Contaminated soil excavated during the closure of the cement vault located south of the retorts was reported to be spread around the site (Long 1999). Other areas of the TLT site investigated include the truck maintenance shop, sawmill, planing mill, end-painting facility, and a former pole yard (currently occupied by the Sheridan Forest Products chipping plant; Figure 2-2). Potential contaminants of concern in these areas are PAHs, PCP, dioxins/furans, VOCs, pesticides, and metals.
- **Moe's Mountain Surface and Subsurface Soil.** From the 1960s to the 1980s, debris and wood waste were stockpiled in the area east of the sawmill. The mound of waste, Moe's Mountain, is overgrown with blackberry bushes. A wetland is located adjacent to Moe's Mountain on the southwest side. Potential contaminants of concern in this area are PAHs, PCP, dioxins/furans, VOCs, pesticides, and metals.
- **Fire Protection Surface Impoundment.** A surface impoundment, located east of the boiler, is used to contain water in the event of a facility fire. Potential contaminants of concern in this area are PAHs, PCP, dioxins/furans, VOCs, pesticides, and metals.
- **SWMUs and AOCs.** Numerous SWMUs and AOCs have been identified by TLT and were verified by E & E. These features are listed in Appendix A.

Potential Receptors:

- **Groundwater Underneath the Site.** NAPL was observed in the shallow alluvial aquifer underneath the site. One residential drinking water well is located within 0.25 mile of the treatment plant. Groundwater also appears to be moving toward the South Yamhill River, which is approximately 300 yards south of the treatment plant. The City of Sheridan municipal surface water intake is located approximately 1.5 miles downstream. Groundwater samples from previous investigations detected PAHs, PCP, dioxins/furans, and metals.
- **Surface Water and Sediments in Storm Water Drainage Ditches.** Stormwater runoff from the site is collected in a series of drainage ditches, catch basins, and retention ponds. This water then is sent through a series of oil/water separators before being discharged to either Rock Creek, the Rock Creek Road ditch, or Oregon State Highway 18 drainage ditches. Potential contaminants of concern in these areas are PAHs, PCP, dioxins/furans, VOCs, pesticides/PCBs, and metals.
- **Surface Water and Sediments in South Yamhill River.** The surface water from the Rock Creek Road ditch, Rock Creek, and the planing mill and sawmill drainage ditches flows into the South Yamhill River. The City of Sheridan municipal surface water intake is located

approximately 1.5 miles downstream from the Rock Creek Road ditch outfall. Potential contaminants of concern in these ditches are PAHs, PCP, dioxins/furans, VOCs, pesticides/PCBs, and metals.

- **Surface Water and Sediments in Rock Creek.** The drainage ditch that flows along the north property boundary of the white pole storage area flows into Rock Creek. Rock Creek flows southeast and enters the South Yamhill River approximately 100 yards upstream of the Rock Creek Road drainage ditch outfall. The City of Sheridan municipal surface water intake is located approximately 1.5 miles downstream from this outfall. Potential contaminants of concern in this ditch are PAHs, PCP, dioxins/furans, VOCs, pesticides/PCBs, and metals.
- **Wetland Adjacent to Moe's Mountain Waste Pile.** An EPA-recognized wetland is located on the southwest side of Moe's Mountain waste pile. Potential contaminants from the waste pile could be migrating to the wetland. In addition, the wetland could also be affected by contaminants migrating from the treatment plant area through the air pathway. Potential contaminants of concern in this area are PAHs, PCP, dioxins/furans, VOCs, pesticides, and metals.
- **Residential Surface Soils.** Surface soils in nearby residential yards may be impacted by the migration of contaminants from the site through the air. Potential contaminants of concern in these areas are PAHs, PCP, dioxins/furans, VOCs, pesticides/PCBs, and metals.
- **Residents and On-Site Workers.** Nearby residents and on-site workers may be impacted by airborne migration of on-site contaminants. Potential contaminants of concern for these targets are PAHs, PCP, dioxins/furans, VOCs, pesticides/PCBs, and metals.



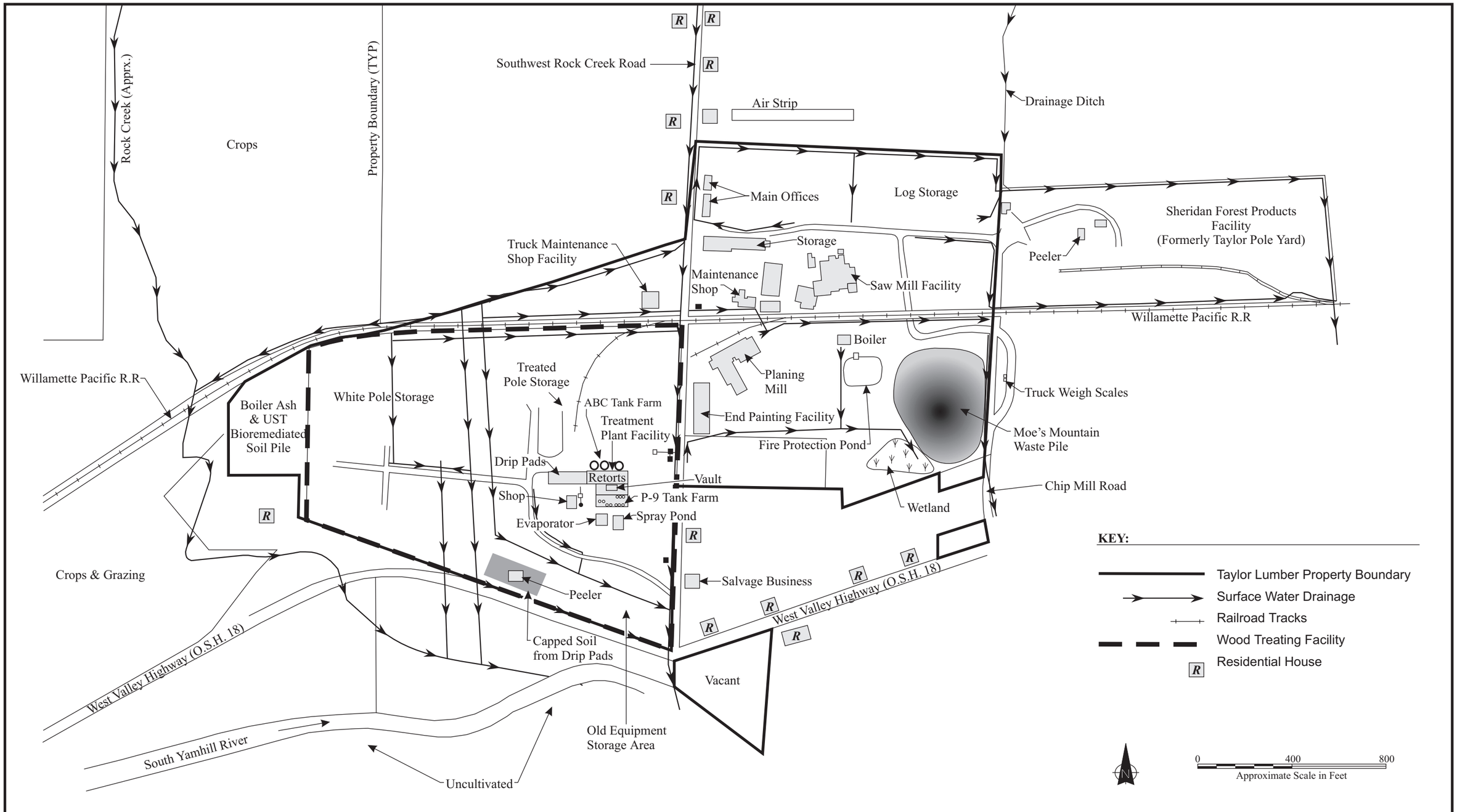
ecology and environment, inc.
International Specialists in the Environment
Seattle, Washington

TAYLOR LUMBER AND TREATING, INC.
Sheridan, Oregon

0 .25 .5
Approximate Scale in Miles

Figure 2-1
SITE VICINITY MAP

Drawn:	Date	Job No.	Dwg.No.
AES	5/19/00	DC0601SIT0	DC0601 2-1



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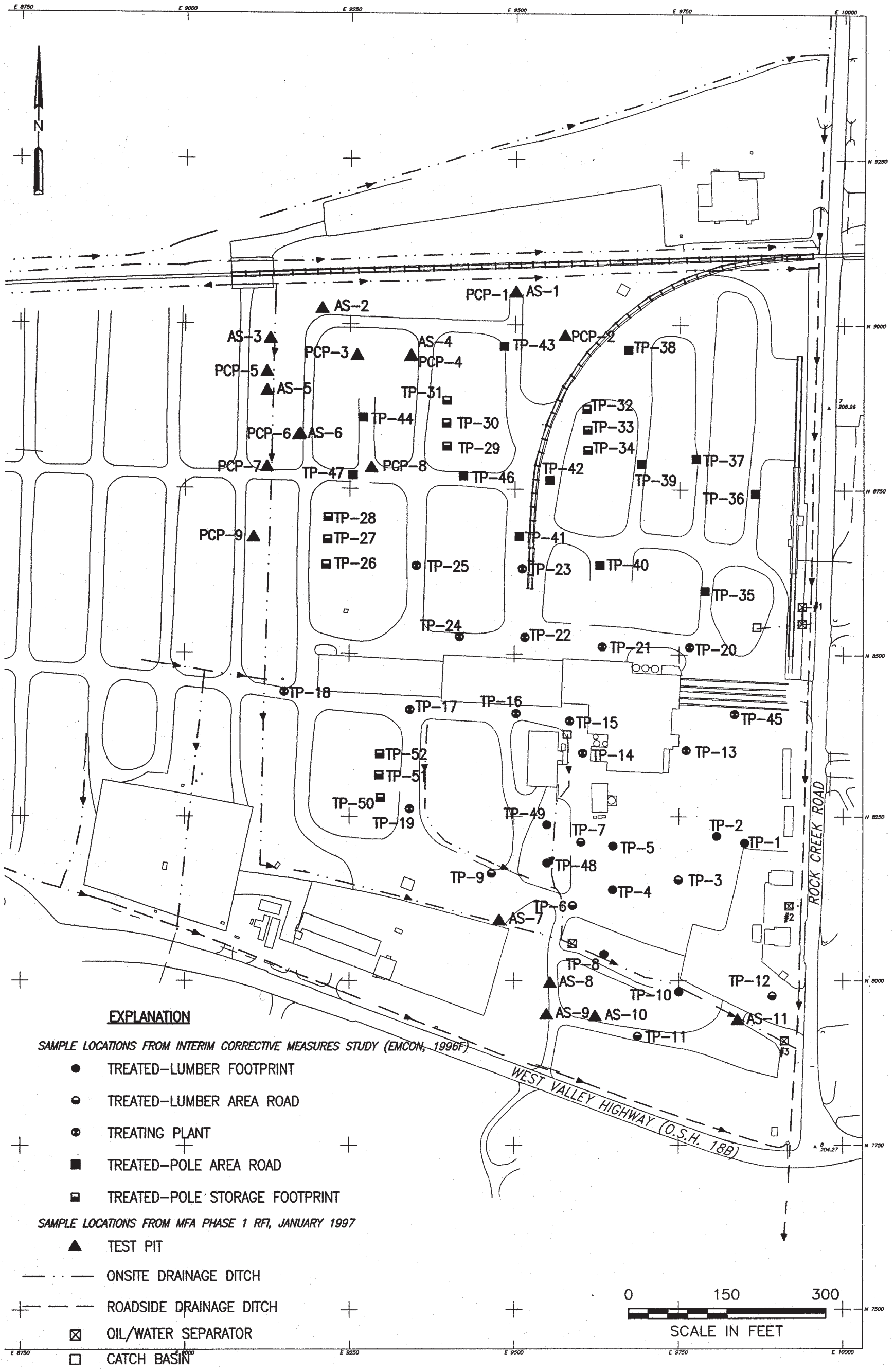
Seattle, Washington

Source: Maul Foster & Alongi, Inc., 1997, E & E, 1999a

TAYLOR LUMBER AND TREATING, INC.
Sheridan, Oregon

Figure 2-2
SITE LAYOUT MAP

Date:	Drawn by:	Job No.:	Dwg.No.:
3/28/00	AES	DC0601SIT0	DC0601 2-2



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TAYLOR LUMBER AND TREATING, INC.
Sheridan, Oregon

Source: Maul Foster & Alongi, Inc., 3/97

Figure 2-3
PHASE I RCRA FACILITY INVESTIGATION
SHALLOW SOIL SAMPLE LOCATIONS

Date:	Drawn by:	Job No.:	Dwg.No.:
3/1/00	AES	DC0601SIT0	DC0601 2-3

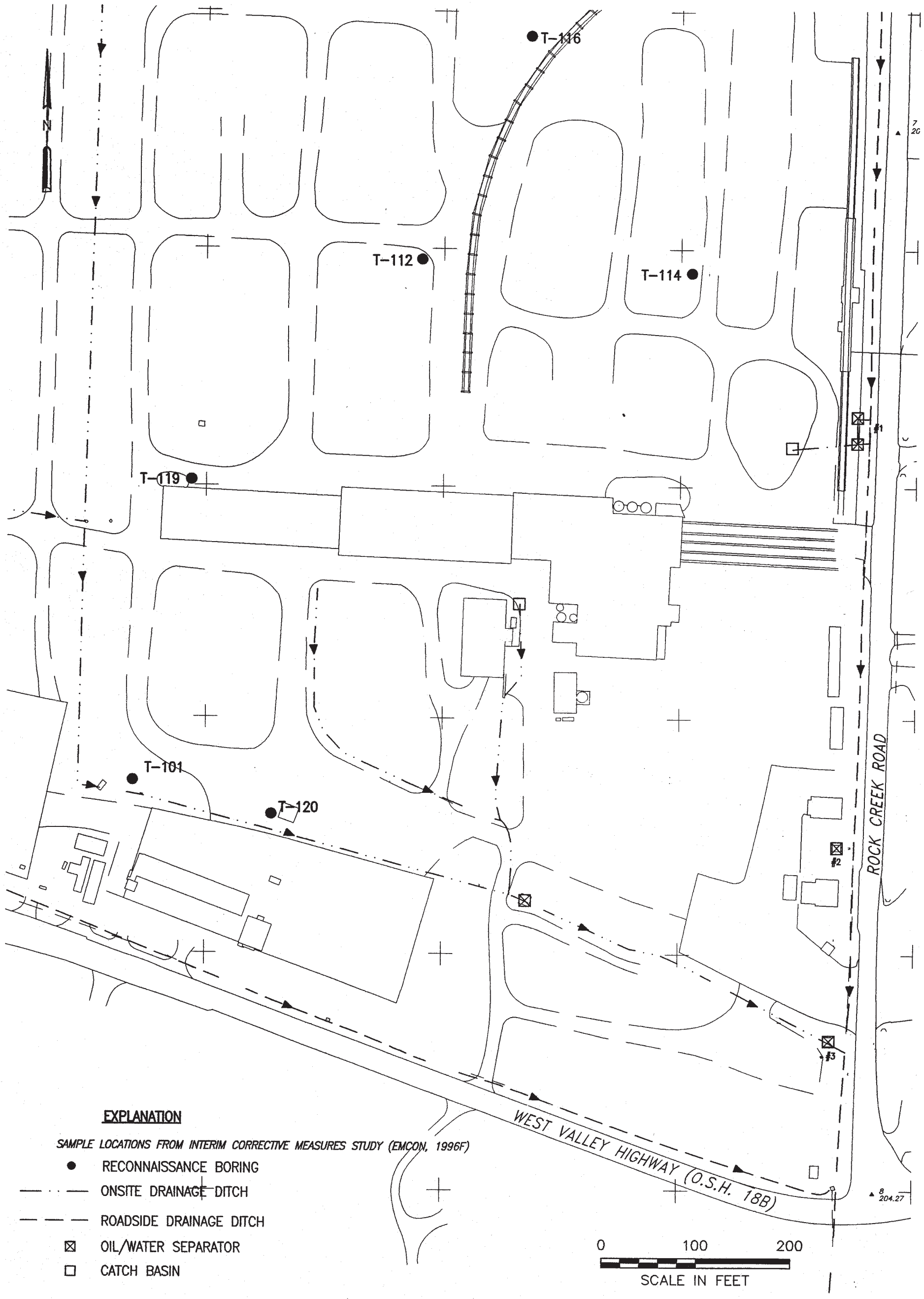

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Figure 2-4
PHASE I RCRA FACILITY INVESTIGATION
TREATED WOOD STORAGE AREA TEST BORING LOCATIONS

Source: Maul Foster & Alongi, Inc., 3/97

Date:	Drawn by:	Job No.:	Dwg.No.:
3/1/00	AES	DC0601SIT0	DC0601 2-4

3. FIELD ACTIVITIES AND ANALYTICAL PROTOCOLS

A sampling and quality assurance plan (SQAP) was developed by START prior to field sampling (E & E 1999b). The SQAP was based on a review of background information, interviews with site representatives, and a site reconnaissance by START in April 1999 (E & E 1999a). The SQAP describes the sampling strategy, sampling methodology, and analytical program to investigate potential hazardous substance sources and potential targets. The IA field activities were conducted in accordance with the approved SQAP, except where noted in this document. EPA staff were on site and provided significant direction in determining sampling locations. Deviations from the SQAP were approved by EPA and are discussed when applicable below and in Section 6 (Potential Sources) and Section 7 (Migration/Exposure Pathways and Targets).

The IA was conducted in two phases. Phase I of the IA field sampling event was conducted from May 16 through June 11, 1999, and included surface and subsurface soil sampling, groundwater sampling, surface water and sediment sampling, and a visual inspection of the AOCs and SWMUs. The results of the AOC and SWMU inspection are presented in Appendix A. Phase 2 of the IA consisted of an air-sampling event which was conducted from August 18 through August 30, 1999. During both phases of the field events, perimeter dust monitoring was conducted using real-time PDR™ dust monitors. The graphical results of the dust monitoring is presented in Appendix B.

A total of 658 samples, including background, but excluding QA (rinsate blank, trip blank, air sampling field blank, matrix spike, and matrix spike duplicate) samples, were collected by START from on-site and off-site locations. Sample types and methods of collection are described below. A list of all samples collected for field or fixed laboratory analysis under the IA is contained in Table 3-1. Sample splits collected by MFA for selected samples also are identified in Table 3-1. Photographic documentation of IA field activities is contained in Appendix C.

Alphanumeric identification numbers applied by START to each sample location (for example, PS-01-SS-00, CD-01-SD, etc.) are the sample location identifiers used in the report. Sample locations are provided in Figures 3-1 through 3-6.

This section describes sampling methodology (Section 3.1), analytical protocol (Section 3.2), Global Positioning System (GPS) data (Section 3.3), and investigation-derived waste (IDW; Section 3.4).

3.1 SAMPLING METHODOLOGY

Sampling for soil, groundwater, sediment, and surface water followed the standard operating procedures (SOP) contained in Appendix B of the SQAP (E&E 1999b). Grass, leaves, and other vegetative material, rocks, and other debris unsuitable for analysis were removed from samples before they were placed into sample containers. The portion of each sample being collected for VOC analysis was placed directly into a sample container without homogenization efforts. Sample material for all other analyses was homogenized in dedicated stainless steel bowls prior to containerization. Dedicated stainless steel spoons and scoops were used to extract, homogenize, and place sampled material into sample containers. For samples submitted for dioxin/furan analysis, stainless steel spoons and bowls were pre-washed with hexane. All samples were stored on ice in coolers continuously maintained under the custody of START personnel.

3.1.1 Surface and Subsurface Soil Samples from Boreholes

A total of 393 surface and subsurface soil samples, including 11 background samples, were collected using a Geoprobe™ hydraulic sampling device. A total of 273 soil samples were collected from the west facility; a total of 109 soil samples were collected from the east facility. As per the SQAP, boring locations were generally placed in a grid at approximately 100-foot intervals for the treatment plant area (Figure 3-1); at approximately 200-foot intervals for the ash pile, white pole storage, and treated pole storage areas (Figure 3-1); and at approximately 150-foot intervals for the truck maintenance shop area (Figure 3-1). For the sawmill, end-painting, and Sheridan Forest Products facilities, boreholes were placed around machinery, in main traffic areas, and around buildings as deemed appropriate by field reconnaissance staff (Figure 3-2). Four boreholes were advanced in Moe's Mountain waste pile at various locations to maximize the areal coverage (Figure 3-2). Discrete boreholes were also advanced in areas where contamination was observed.

In each boring, both surface and subsurface soil samples were collected. Soil samples, from the boreholes, were collected using a dedicated acetate liner threaded into a nondedicated stainless steel Geoprobe soil sampler. The liner was removed from the sampler, and samples were extracted from the liner using dedicated stainless steel spoons and homogenized in dedicated stainless steel bowls. The Geoprobe soil sampler was decontaminated between sampling locations.

Borehole soil samples were collected in 2-foot intervals at depths ranging from 0 to 32 feet bgs. At each boring location, a minimum of three samples were collected, including surface (0-to-2-feet-bgs), 4-to-6-feet-bgs, and 6-to-8-feet-bgs intervals. Field screening and quick-turnaround analytical sample results were compared to PRGs to determine the need for further sampling. Analytical protocol is discussed is greater detail in Section 3.2. If concentrations of samples collected from the 6-to-8 foot-bgs interval exceeded the PRGs, deeper boreholes were advanced until the concentrations of samples from

two consecutive intervals were below the PRGs or instrument detection limits. An exception to this occurred if the Geoprobe encountered refusal. Borehole locations were expanded horizontally in 100-foot intervals until sample concentrations were below the PRGs as stated in the SQAP.

After soil samples were collected, all borings were backfilled with a bentonite slurry in accordance with state regulations.

3.1.2 Tank Product Samples

A total of three product samples was collected from three tanks located in the treatment plant area that are used in daily operations. These samples were collected to document product constituents. One sample was collected from a tank containing base P-9 oil and one from a tank containing approximately 5-percent-PCP-enriched P-9 oil. Both of these tanks were located in the P-9 tank farm south of the retorts. An additional sample was collected from Tank A, which contained reclaimed creosote, in the ABC tank farm. Samples were collected by TLT personnel by opening tank spigots and filling containers directly from the spigot. Sampling activities were observed by a member of START.

3.1.3 Surface Soil Samples from On-Site Perimeter and Residential Locations

A total of 14 surface soil samples, including two background samples, were collected from 0 to 12 inches bgs approximately every 200 feet along the south, east, and north property boundaries of the treatment plant and treated pole storage areas to characterize contaminants in the overland surface water pathway (Figure 3-1). These surface soil samples were collected in addition to the surface soil samples collected at each borehole loaction. Additionally, a total of 14 surface soil samples were collected from residential yards at the roof drip line to characterize potential site-related contamination from airborne migration (Figures 3-1 and 3-6). Samples were collected only from areas without vegetation and with dedicated stainless steel spoons and homogenized in dedicated stainless steel bowls..

3.1.4 Groundwater Samples

A total of 24 groundwater samples, including two background samples, were collected from the existing 21 TLT monitoring wells and piezometers located on TLT property and from one residential drinking water well located adjacent to the western property boundary of the site (Figure 3-3). Two wells, T-6 and T-4, were damaged and could not be sampled as proposed in the SQAP. All groundwater samples, except the residential well, were collected using dedicated, disposable Teflon™ bailers. Groundwater from the residential well was collected from the tap nearest the well head and purged for approximately 20 minutes prior to sample collection as per the SQAP. At two wells, N1D-MW and N2D-MW, both aqueous and dense nonaqueous phase liquids (dNAPL) were encountered. These phases were sampled separately by collecting the aqueous phase from the top portion of the water column and

collecting the dNAPL from the bottom of the bailer by unseating the check ball with a dedicated Teflon tube.

3.1.5 Sediment and Surface Water Samples

A total of 93 sediment samples (including five background samples) and a total of 19 surface water samples (including two background samples) were collected from the following locations: the on-site oil/water retention ponds, stormwater drainage ditches, the Rock Creek Road ditch, Rock Creek, and the South Yamhill River (Figures 3-4 and 3-5). During the field event, the stormwater flow direction was determined, and sample locations were selected with the concurrence of the EPA Site Assessment Manager (SAM).

Sample collection began at the most downstream location and proceeded upstream to eliminate the potential for cross-contamination. Surface water samples were co-located with the sediment samples, when present, and were collected prior to the collection of sediment samples to eliminate cross-contamination. Surface water samples were collected by lowering dedicated sample containers into the water to a maximum depth of 1 foot, with the containers filling as they descended. Sediment samples were collected using dedicated stainless steel spoons or trowels. The VOC aliquot was collected first followed by the remaining aliquots.

Surface water samples from the municipal drinking water intake in the South Yamhill River were collected at the depth of the intake (approximately 1.5 feet below the water surface) by lowering the sample bottle to depth and then opening the sample container. An Ekman™ dredge was used to collect the sediment sample at this location, since the 6-foot depth to bottom prevented the use of hand-held sampling equipment. The dredge was decontaminated prior to sampling in accordance with the SQAP.

3.1.6 Air Samples

A total of 98 ambient air samples, including 22 background samples, were collected for seven consecutive days from August 22 through August 29, 1999 (Figure 3-6) from the following station locations: two on-site, four residential, and one remote background. Both inorganic and organic air samplers were used at each station and were operated over the same sample periods.

All air samplers were sited to conform with the probe siting criteria for ambient air samplers (40 CFR Part 58; Appendix E) which is summarized as follows: Sampler inlets were positioned 2 meters above the ground surface and at least 25 meters from the nearest traffic lane of any roadway. Samplers were placed as far away from any structures as feasible, optimally at a distance of twice the structure's height. Electrical power sources were used for all samplers. TLT installed electrical outlets at three sampler locations for use by START.

A contracted security guard provided security during the sampling event. During sampling, the guard checked and documented the operation of the meteorological (MET) station and each of the samplers hourly when START personnel were not present (i.e. between the hours of 7:00 p.m. and 7:00 a.m.). The security guards immediately contacted the START field manager if any discrepancies were observed. The guards recorded observations hourly and reported findings to the START field manager each morning. On August 23, 1999, the security guards noted that the custody seals were broken on the samplers at stations A5 and A7, but no evidence of tampering with machine operations was observed by the START. In addition, the START personnel observed the following anomalies: on August 23 and 24, combines were observed operating next to the Station A7 sampler and thick dust was observed on the air filters; on August 25, Station A7 sampler had been turned off by unknown persons and was turned back on within two hours; on August 26, Station A4 sampler quit working due to mechanical failure and was replace with a working unit within two hours; and on August 28, Station A1 sampler quit working due to mechanical failure and was replace with a working unit within two hours. Total volumes for samples associated with the above-mentioned anomalies deviated from optimal values by less than 10 percent. Therefore, these samples were submitted for chemical analyses and results were evaluated in Section 7.

3.1.6.1 Ambient Air Samples Analyzed for Metals

Samples were collected using General Metal Works, Inc. Model 2000™ high volume (Hi-vol) air samplers. The Hi-vol samplers were operated at a flow rate of approximately 40 cubic feet per minute for seven consecutive 24-hour periods. Field operation and calibration of the samplers was performed in accordance with the specifications described in EPA Method IO-2.1 (EPA 1997b).

3.1.6.2 Ambient Air Samples Analyzed for cPAHs and PCP

Samples were collected using General Metal Works, Inc. PS-1™ samplers. The PS-1 samplers were operated at the highest attainable flow-rate, but did not exceed 400 cubic meters total sample volume. The PS-1 samplers were operated over the same sample periods as the Hi-vol samplers. Field operation and calibration of the samplers was performed in accordance with the specifications described in EPA Method TO-13A (EPA 1997a).

3.1.6.3 Meteorological Station

A MET station was operated on site to provide continuous wind speed, wind direction, temperature, barometric pressure, humidity, and 24-hour rainfall information. The MET station was located at the western corner of the truck maintenance shop facility (Figure 3-6) and was set up and operated in accordance with the EPA (1988) *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume IV - Meteorological Measurements*. The MET station was operated for

approximately three months prior to the event to provide prevailing wind directions and wind speed for use in determining the optimum locations of the air sampling stations.

The MET station was also operated throughout the air-sampling event to confirm prevailing wind directions and wind speed during each sample period. Ambient temperature and barometric pressure was used to adjust daily sample volumes to conditions of standard temperature and pressure according to the EPA (1988) *Quality Assurance Handbook for Air Pollution Measurement Systems: Volume II - Ambient Air Specific Methods, Section 2.2.2*. Relative humidity and precipitation was used to document site conditions during the sampling period.

3.2 ANALYTICAL PROTOCOL

3.2.1 Borehole Samples

In order to delineate potential on-site contamination and to determine the need for deeper or additional borehole advancement, both mobile laboratory field screening and fixed laboratory quick-turnaround analyses were used. Surface and subsurface soil samples collected from each interval from every on-site borehole were analyzed for PCP and 15 selected PAHs using field screening methodologies in an on-site mobile laboratory operated by the EPA Environmental Services Assistance Team (ESAT) contractor. To expedite the field screening analysis and reduce the risk of fouling the gas chromatography instruments, samples that were visibly oily were not analyzed by ESAT, but were assumed to be impacted. Approximately 20 percent of these oily samples were submitted to Columbia Analytical Services, Inc. (CAS) in Kelso, Washington, for quick-turnaround confirmation analysis of SVOCs. In addition, selected samples were submitted to CAS for quick-turnaround analysis of Target Analyte List (TAL) metals and confirmation analysis of SVOCs in the following manner: For 50 percent of the boreholes in the west facility, the surface sample and one subsurface sample (the most visually contaminated) were submitted for the full suite of analyses, including quick-turnaround TAL metals, confirmation SVOCs, VOCs, pesticides/PCBs, and dioxins/furan congeners (dioxin) analyses. From every borehole, the sample collected from the bottom interval (6 to 8 feet bgs) was submitted to CAS for quick-turnaround TAL metals and confirmation SVOCs analyses. When the 6-to-8-foot-interval sample exceeded the PRGs or was visually contaminated, the borehole location was drilled to deeper intervals and additional samples were submitted for the full analytical suite as deemed appropriate by the START to delineate the vertical extent of contamination.

For samples collected from boreholes advanced in the east facility, only one sample per borehole was submitted to CAS for standard turnaround of SVOCs and TAL metals. A total of seven samples, four collected from the end-painting facility, two collected from Moe's Mountain waste pile, and one collected from the sawmill facility, was also submitted for VOC, pesticides/PCBs, and dioxin analyses.

These samples were selected based on visual observations and at varying intervals. This sampling strategy was approved by the EPA Task Monitor (TM) and SAM during the field event.

Borehole samples submitted for fixed laboratory analysis were analyzed by Contract Laboratory Program Analytical Service (CLPAS) and commercial laboratories contracted by START. Samples were analyzed for VOCs and pesticides/PCBs using method CLPAS OLM03.2; TAL metals using CLPAS ILM04.0; low concentration SVOCs using modified EPA Method 8270; and dioxin using EPA Method 8290. CLPAS analyses were performed by Compuchem Laboratories in Cary, North Carolina; SVL Analytical, Inc. in Kellogg, Idaho; Sentinel, Inc. in Huntsville, Alabama; and Southwest Laboratories of Oklahoma in Broken Arrow, Oklahoma. Commercial START-subcontracted laboratories included Sound Analytical Services in Tacoma, Washington; CAS in Kelso, Washington; Southwest Laboratories of Oklahoma in Broken Arrow, Oklahoma; and Data Chem Laboratories in Salt Lake City, Utah.

3.2.2 Other Samples

Samples collected from groundwater, on-site perimeter surface soil, and residential surface soil were submitted for analysis of SVOCs, TAL metals, VOCs, pesticides, PCBs, and dioxins. All surface water and sediment samples were submitted for analysis of SVOCs, TAL metals, VOCs, pesticides, and PCBs. All sediment samples also were submitted to CAS for total organic carbon (TOC) analysis by EPA SW-846 Method 9060. Selected surface water and sediment samples were also submitted for dioxin analysis. These samples were selected during the field event with the concurrence of the EPA SAM. Analyses for soil, sediment, surface water, and groundwater were performed by the laboratories and according to the methods listed above in Section 3.2.1.

Ambient air samples were analyzed for carcinogenic polynuclear aromatic hydrocarbons (cPAHs), PCP, arsenic chromium, and lead. Ambient air samples were extracted and analyzed for cPAH and PCP, according to EPA Methods TO-13A and SW-846 Method 8270, and for arsenic, chromium, and lead, according to EPA Methods IO 3.5 and SW-846 Methods 6000/7000.

3.3 GLOBAL POSITIONING SYSTEM

Trimble Pathfinder Professional Global Positioning System (GPS) survey units and Corvalis data loggers were used by the START personnel to approximate the horizontal location coordinates of the IA surface and subsurface soil, groundwater, surface water, sediment, and air sample points. All sample locations shown on Figure 3-1 through 3-6 are based on GPS coordinates. GPS coordinates by sample point are provided in Appendix D.

3.4 INVESTIGATION-DERIVED WASTE

IDW generated during the IA sampling effort consisted of solid disposable sampling and personal protective equipment and approximately 2,000 gallons of liquids generated from decontamination procedures and well purging. The solid IDW was double-bagged and disposed of in a local municipal landfill. Liquid IDW was stored on site in Baker tanks. One profile sample of the liquid IDW was collected and analyzed for SVOCs, TAL metals, VOCs, pesticides, PCBs, and dioxin. No concentrations of contaminants were found to exceed the toxic characteristics limits as defined by 40 Code of Federal Regulations (CFR), Chapter I, Part 261. At the direction of the TM, in January 2000 the liquid IDW was placed into the TLT treatment plant evaporator for disposal.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
Groundwater Samples																	
99224132	MJAH20	JP312	MW-1S-GW	5/26/99	1050	Groundwater	15.0 ft.	X	X	X	X		X			Onsite monitoring well east of the retorts.	Screened in the shallow alluvial aquifer.
99224136	MJAH24	JP316	MW-2D-GW	5/27/99	920	Groundwater	31.0 ft.	X	X	X	X		X			Onsite monitoring well in Treatment Plant (TP) south of the evaporator/cooler.	Screened in the siltstone aquifer.
99224135	MJAH23	JP315	MW-2S-GW	5/26/99	1545	Groundwater	20.1 ft.	X	X	X	X		X			Onsite monitoring well in TP south of the evaporator/cooler.	Screened in the shallow alluvial aquifer.
99224134	MJAH22	JP314	MW-4D-GW	5/26/99	1430	Groundwater	30.3 ft.	X	X	X	X		X			Onsite monitoring well southwest of TP.	Screened in the siltstone aquifer.
99224133	MJAH21	JP313	MW-4S-GW	5/26/99	1210	Groundwater	17.9 ft.	X	X	X	X		X			Onsite monitoring well southwest of TP.	Screened in the shallow alluvial aquifer.
99224138	MJQ755	JP318	MW-6D-GW	5/27/99	1430	Groundwater	29.6 ft.	X	X	X	X		X			Onsite monitoring well in TP south of the guard shack.	Screened in the siltstone aquifer.
99224137	MJQ754	JP317	MW-6S-GW	5/27/99	1045	Groundwater	11.4 ft.	X	X	X	X		X			Onsite monitoring well in TP south of the guard shack.	Screened in the shallow alluvial aquifer.
99224125	MJAH13	JP305	MW-7D-GW	5/24/99	1230	Groundwater	33.8 ft.	X	X	X	X		X			Onsite monitoring well in the Truck Shop (TS) Facility.	Background location for the siltstone aquifer.
99224104	MJR309	JP138	MW-7S-GW	5/24/99	1215	Groundwater	21.6 ft.	X	X	X	X		X			Onsite monitoring well in the TS Facility.	Background location for shallow alluvial aquifer.
99234274	MJQ762	JP325	MW-8D-GW	6/2/99	1020	Groundwater	31.4 ft.	X	X	X	X		X			Onsite monitoring well between P-9 oil tank farm and cooler.	Screened in the siltstone aquifer.
99224126	MJAH14	JP306	MW-9S-GW	5/24/99	1600	Groundwater	15.7 ft.	X	X	X	X		X			Monitoring well south of TP in vacant lot next to the South Yamhill River.	Screened in the shallow alluvial aquifer.
99224105	MJR310	JP139	MW-10S-GW	5/24/99	1520	Groundwater	11.4 ft.	X	X	X	X		X			Monitoring well south of TP and Highway 18.	Screened in the shallow alluvial aquifer.
99224131	MJAH19	JP311	MW-11S-GW	5/26/99	940	Groundwater	19.2 ft.	X	X	X	X		X			Onsite monitoring well south of End Painting (EP) Facility.	Screened in the shallow alluvial aquifer.
99224140	MJQ757	JP320	N1D-GW	5/28/99	930	Groundwater	19.1 ft.	X	X	X	X		X			Onsite monitoring well in TP southwest of shop.	Screened in the shallow alluvial aquifer.
99234275	NA	NA	N1D-PR	6/3/99	830	Product	19.1 ft.	X	X	X						Onsite monitoring well in TP southwest of shop.	Screened in the shallow alluvial aquifer. Four inches of nonaqueous phase liquid at the bottom of the
99224139	MJQ756	JP319	N1S-GW	5/27/99	1545	Groundwater	12.5 ft.	X	X	X	X		X			Onsite monitoring well in TP southwest of shop.	Screened in the shallow alluvial aquifer.
99234273	MJQ761	JP324	N2D-GW	6/2/99	850	Groundwater	15.7 ft.	X	X	X	X		X			Onsite monitoring well south of retorts.	Screened in the shallow alluvial aquifer.
99234276	NA	NA	N2D-PR	6/3/99	900	Product	15.7 ft.	X	X	X						Onsite monitoring well south of retorts.	Screened in the shallow alluvial aquifer. Two inches of nonaqueous phase liquid at the bottom of the
99234271	MJQ760	JP323	N2S-GW	6/1/99	1500	Groundwater	9.0 ft.	X	X	X	X		X			Onsite monitoring well south of retorts.	Screened in the shallow alluvial aquifer.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99224142	MJQ759	JP322	N3D-GW	5/28/99	1215	Groundwater	17.7 ft.	X	X	X	X		X			Onsite monitoring well east of the retorts.	Screened in the shallow alluvial aquifer.
99224141	NA	JP321	N3S-GW	5/28/99	1130	Groundwater	6.8 ft.		X	X	X					Onsite monitoring well east of the retorts.	Screened in the shallow alluvial aquifer.
99234272	MJQ758	NA	N3S-GW	6/1/99	1550	Groundwater	6.8 ft.	X					X			Onsite monitoring well east of the retorts.	Screened in the shallow alluvial aquifer.
99224130	MJAH18	JP310	PZ-101-GW	5/25/99	1515	Groundwater	14.8 ft.	X	X	X	X		X			Onsite piezometer southwest of TP.	Screened in the shallow alluvial aquifer.
99224128	MJAH16	JP308	PZ-102-GW	5/25/99	1110	Groundwater	13.4 ft.	X	X	X	X		X			Onsite piezometer southeast of TP.	Screened in the shallow alluvial aquifer.
99224129	MJAH17	JP309	PZ-105-GW	5/25/99	1345	Groundwater	13.5 ft.	X	X	X	X		X			Onsite piezometer south of TP.	Screened in the shallow alluvial aquifer.
99224127	MJAH15	JP307	PZ-116-GW	5/25/99	925	Groundwater	21.0 ft.	X	X	X	X		X			Onsite piezometer on north side of the Treated Pole Storage area.	Screened in the shallow alluvial aquifer.
99224211	MJQ620	JP261	RW-01-GW	5/25/99	1440	Groundwater	Unknown	X	X	X	X		X			Residential drinking water well within 1/4 mile west of site.	Clear well water.
Tank Samples																	
99244697	NA	NA	TK-01	6/8/99	930	Product				X			X			PCP-Enriched P-9 Oil Tank in P-9 Oil Tank Farm.	Oil.
99244698	NA	NA	TK-02	6/8/99	933	Product				X			X			Base P-9 Oil Tank in P-9 Oil Tank Farm.	Oil.
99244699	NA	NA	TK-03	6/8/99	936	Product				X			X			Creosote Tank A in ABC Tank Farm.	Oil.
Onsite Soil Samples - West Facility																	
99214204	MJAF95	JP176	AP-01-SS_00	5/22/99	915	Soil	0 - 2 ft.	X	X	X	X	X	X			Boiler Ash and UST Bioremediated Soil Waste Pile.	Dark brown topsoil, silt sand and clay with 10 to 20 % organic material.
99214205	MJAG14	JP177	AP-01-SB-04	5/22/99	1000	Soil	4 - 6 ft.	X	X	X	X	X	X			Boiler Ash and UST Bioremediated Soil Waste Pile.	Gray clay.
99214206	NA	NA	AP-01-SB-06	5/22/99	1030	Soil	6 - 8 ft.	X		X		X				Boiler Ash and UST Bioremediated Soil Waste Pile.	Gray to brown clay with trace sand.
99214207	NA	NA	AP-02-SS_00	5/22/99	1115	Soil	0 - 2 ft.					X				Boiler Ash and UST Bioremediated Soil Waste Pile.	Brown topsoil and silt clay with organics.
99214208	MJAG15	JP178	AP-02-SB-04	5/22/99	1130	Soil	4 - 6 ft.	X	X	X	X		X			Boiler Ash and UST Bioremediated Soil Waste Pile.	Black, ashy material.
99214209	NA	NA	AP-02-SB-06	5/22/99	1220	Soil	6 - 8 ft.					X				Boiler Ash and UST Bioremediated Soil Waste Pile.	Gray clay with trace brown sand.
99214210	NA	NA	AP-02-SB-08	5/22/99	1235	Soil	8 - 10 ft.	X		X		X				Boiler Ash and UST Bioremediated Soil Waste Pile.	Gray clay with trace brown sand.
99214191	MJR307	JP130	AP-03-SS_00	5/22/99	1437	Soil	0 - 2 ft.	X	X	X	X	X	X			Boiler Ash and UST Bioremediated Soil Waste Pile.	Gray and brown find sand and clay.
99214192	MJR308	JP131	AP-03-SB-04	5/22/99	1500	Soil	4 - 6 ft.	X	X	X	X		X			Boiler Ash and UST Bioremediated Soil Waste Pile.	Moist gray silty clay. Groundwater at approximately 6 to 7 feet bgs.
99214193	NA	NA	AP-03-SB-06	5/22/99	1530	Soil	6 - 8 ft.					X				Boiler Ash and UST Bioremediated Soil Waste Pile.	Wet, well sorted fine sand.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99214194	NA	NA	AP-03-SB-08	5/22/99	1540	Soil	8 - 10 ft.	X		X		X				Boiler Ash and UST Bioremediated Soil Waste Pile.	Wet gray silty clay.
99214211	MJAG16	JP179	AP-04-SS_00	5/22/99	1450	Soil	0 - 2 ft.	X	X	X	X		X			Boiler Ash and UST Bioremediated Soil Waste Pile.	Brown topsoil, silt, and clay with organics and black ash.
99214212	MJAG17	JP180	AP-04-SB-04	5/22/99	1520	Soil	4 - 6 ft.	X	X	X	X		X			Boiler Ash and UST Bioremediated Soil Waste Pile.	Black ash and dark brown soil.
99214213	NA	NA	AP-04-SB-06	5/22/99	1550	Soil	6 - 8 ft.					X				Boiler Ash and UST Bioremediated Soil Waste Pile.	Black ash and clay at 0 to 6 inches bgs. Brown damp clay at 6 inches to 2 feet bgs.
99214214	NA	NA	AP-04-SB-08	5/22/99	1605	Soil	8 - 10 ft.	X		X		X				Boiler Ash and UST Bioremediated Soil Waste Pile.	Brown damp clay.
99214101	MJAF81	JP542	PS-01-SS-00	5/18/99	925	Soil	0 - 2 ft.	X	X	X	X	X	X			Surface soil sample collected at the Treated Pole Storage Area.	Brown to gray wet sandy gravel. Sheen.
99214102	NA	NA	PS-01-SB-04	5/18/99	1035	Soil	4 - 6 ft.					X				Treated Pole Storage Area.	Gray moist clay.
99214103	NA	NA	PS-01-SB-06	5/18/99	1055	Soil	6 - 8 ft.	X		X		X				Treated Pole Storage Area.	Top 6 to 6.5 feet gray moist clay grading into 6.5 to 8 feet brown, silty clay.
99214105	NA	NA	PS-02-SS-00	5/18/99	1420	Soil	0 - 2 ft.					X				Treated Pole Storage Area.	Surface to 20 inches gray, gravel fill. Twenty to 22 inches dark, gray clay, trace silt. PID reading at less than 1ppm.
99214106	NA	NA	PS-02-SB-04	5/18/99	1430	Soil	4 - 6 ft.					X				Treated Pole Storage Area.	Gray, moist clay.
99214107	NA	NA	PS-02-SB-06	5/18/99	1445	Soil	6 - 8 ft.	X		X		X				Treated Pole Storage Area.	Brown silt and some sand.
99214121	MJAG02	JP104	PS-03-SS-00	5/18/99	1420	Soil	0 - 2 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Gray to brown gravel fill and sand with cobble size gravel.
99214122	NA	NA	PS-03-SB-04	5/18/99	1500	Soil	4 - 6 ft.					X				Treated Pole Storage Area.	Very dark gray clay with iron staining.
99214123	MJAG03	JP105	PS-03-SB-06	5/18/99	1515	Soil	6 - 8 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Very dark gray clay with iron staining.
99214108	NA	NA	PS-04-SB-04	5/18/99	1605	Soil	4 - 6 ft.					X				Treated Pole Storage Area.	Gray, moist, sticky clay.
99214109	MJAF83	JP544	PS-04-SB-06	5/18/99	1640	Soil	6 - 8 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Gray, moist clay.
99214112	NA	NA	PS-05-SS-00	5/19/99	930	Soil	0 - 2 ft.					X				Treated Pole Storage Area.	Gray gravel and sand grading to sand, some gravel at 20 inches bgs. Brown sand at 20 to 24 inches bgs. Odor.
99214113	NA	NA	PS-05-SB-04	5/19/99	940	Soil	4 - 6 ft.					X				Treated Pole Storage Area.	Gray, moist clay.
99214114	NA	NA	PS-05-SB-06	5/19/99	1000	Soil	6 - 8 ft.	X		X		X			X	Treated Pole Storage Area.	Brown, moist clay, approximately 20% oxide staining.
99214127	NA	NA	PS-06-SS-00	5/19/99	1050	Soil	0 - 2 ft.					X				Treated Pole Storage Area.	Gravel fill and sand at 0 to 1.5 feet bgs. Dark, greenish gray dry clay at 1.5 to 2 feet bgs.
99214128	NA	NA	PS-06-SB-04	5/19/99	1106	Soil	4 - 6 ft.					X				Treated Pole Storage Area.	Dark, greenish gray dry clay with iron staining.
99214129	NA	NA	PS-06-SB-06	5/19/99	1120	Soil	6 - 8 ft.	X		X		X				Treated Pole Storage Area.	Dark, greenish gray, dry clay with iron staining.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99244654	NA	NA	PS-06-SB-08	6/8/99	1050	Soil	8 - 10 ft.					X				Treated Pole Storage Area.	Brown, dense clay grading to gray clay.
99244655	NA	NA	PS-06-SB10	6/8/99	1100	Soil	10 - 12 ft.					X				Treated Pole Storage Area.	Brown, wet, silty sand.
99244656	NA	NA	PS-06-SB-12	6/8/99	1110	Soil	12 - 14 ft.					X				Treated Pole Storage Area.	Wet dark, greenish-gray clay at 12 to 12.5 feet bgs. Wet fine, sandy silt at 12.5 to 14 feet bgs.
99244657	NA	NA	PS-06-SB-14	6/8/99	1120	Soil	14 - 16 ft.					X				Treated Pole Storage Area.	Brown, sandy silt.
99244658	NA	NA	PS-06-SB-16	6/8/99	1135	Soil	16 - 18 ft.					X				Treated Pole Storage Area.	Brown, sandy silt. Sheen.
99214115	MJAF84	JP546	PS-07-SS-00	5/19/99	1125	Soil	0 - 2 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Gray gravel with some sand.
99214116	MJAF85	JP547	PS-07-SB-04	5/19/99	1415	Soil	4 - 6 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Gray, damp clay mixed with brown sand.
99214117	NA	NA	PS-07-SB-06	5/19/99	1450	Soil	6 - 8 ft.	X		X		X			X	Treated Pole Storage Area.	Brown and gray sand and clay.
99214130	MJR290	JP109	PS-08-SS-00	5/19/99	1400	Soil	0 - 2 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Dark, grayish brown, wet, very fine sand and gravel at 0 to 6 inches bgs. Dark yellowish brown, dry, very fine sand at 0.5 to 1.5 feet. Dark greenish gray silty clay at 1.5 to 2 feet.
99214131	NA	NA	PS-08-SB-04	5/19/99	1435	Soil	4 - 6 ft.					X				Treated Pole Storage Area.	Dark, greenish gray, dry clay at 4 to 6 feet.
99214132	MJR291	JP110	PS-08-SB-06	5/19/99	1450	Soil	6 - 8 ft.	X	X	X	X		X			Treated Pole Storage Area.	Dark, greenish gray, dry clay with 40% iron staining at 6 to 7.5 feet. Dark yellowish brown, sandy clay 7.5 to 8 feet.
99214133	NA	NA	PS-08-SB-08	5/19/99	1500	Soil	8 - 10 ft.					X				Treated Pole Storage Area.	Brown, fine sand to silt, wet/moist at 8 to 9.5 feet bgs. Gray gravel and cobbles at 9.5 to 10 feet. Product observed when borehole was grouted.
99214134	NA	NA	PS-08-SB-10	5/19/99	1515	Soil	10 - 12 ft.	X		X		X				Treated Pole Storage Area.	Brown, wet medium to fine sand and poorly sorted gravel cobbles.
99244515	NA	NA	PS-08-SB-10B	6/8/99	900	Soil	10 - 12 ft.					X				Treated Pole Storage Area.	Brown, wet, silty sand and gravel.
99244651	NA	NA	PS-08-SB-12	6/8/99	910	Soil	12 - 14 ft.					X				Treated Pole Storage Area.	Brown, wet, silty sand and gravel with product present.
99244652	NA	NA	PS-08-SB-14	6/8/99	930	Soil	14 - 16 ft.					X				Treated Pole Storage Area.	Spots of product visible through sleeve. Strong odor.
99244653	NA	NA	PS-08-SB-18	6/8/99	950	Soil	18 - 20 ft.					X			X	Treated Pole Storage Area.	Gray silt and dense siltstone.
99214120	NA	NA	PS-09-SS-00	5/20/99	835	Soil	0 - 2 ft.					X				Treated Pole Storage Area.	Dry gray gravel fill to 24 inches bgs. Gray clay in the last 2 feet.
99214141	NA	NA	PS-09-SB-04	5/20/99	845	Soil	4 - 6 ft.					X				Treated Pole Storage Area.	Gray and brown clay with some sand.
99214142	NA	NA	PS-09-SB-06	5/20/99	855	Soil	6 - 8 ft.	X		X		X				Treated Pole Storage Area.	Brown clay with sand.
99214157	NA	NA	PS-10-SS-00	5/21/99	1330	Soil	0 - 2 ft.					X				Treated Pole Storage Area.	Dry, gray gravel at 0 to 12 inches bgs. Damp, gray clay at 12 to 24 inches bgs.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99214158	NA	NA	PS-10-SB-04	5/21/99	1345	Soil	4 - 6 ft.					X				Treated Pole Storage Area.	Mottled gray to brown clay.
99214159	NA	NA	PS-10-SB-06	5/21/99	1350	Soil	6 - 8 ft.	X		X		X				Treated Pole Storage Area.	Mottled gray to brown clay.
99214160	MJAF92	JP556	PS-11-SS-00	5/21/99	1500	Soil	0 - 2 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Gray gravel and sand.
99214200	MJAF93	JP557	PS-11-SB-04	5/21/99	1600	Soil	4 - 6 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Gray clay grading to brown sandy clay.
99214201	NA	NA	PS-11-SB-06	5/21/99	1610	Soil	6 - 8 ft.	X		X		X				Treated Pole Storage Area.	Damp brown sandy clay.
99214185	MJR303	JP126	PS-12-SS-00	5/22/99	935	Soil	0 - 2 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Gray sand and gravel at 0 to 0.5 feet bgs. Dark greenish gray dry clay 0.5 to 2 feet bgs.
99214186	MJR304	JP127	PS-12-SB-04	5/22/99	950	Soil	4 - 6 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Brown, moist, sandy silt with some gravel and medium to compact sand.
99214187			PS-12-SB-06	5/22/99	1000	Soil	6 - 8 ft.	X		X		X				Treated Pole Storage Area.	Brown, wet gravel and silt.
99244690	MJQ657	JP408	PS-13-SS-00	6/11/99	840	Soil	0 - 2 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Black sand and gravel fill at 0 to 1.5 feet bgs. Dark greenish gray clay at 1.5 to 2.5 feet bgs. PID reading at 339 ppm.
99244691	NA	NA	PS-13-SB-04	6/11/99	910	Soil	4 - 6 ft.					X			X	Treated Pole Storage Area.	Dark, greenish gray, dry, soft clay.
99244692	NA	NA	PS-13-SB-08	6/11/99	915	Soil	8 - 10 ft.	X		X		X				Treated Pole Storage Area.	Gray and brown, dry clay grading to sandy clay.
99244693	NA	NA	PS-13-SB-12	6/11/99	920	Soil	12 - 14 ft.					X				Treated Pole Storage Area.	Brown sandy, moist clay at 12 to 13.5 feet bgs. Wet dark brown sand and gravel at 13.5 to 14 feet bgs.
99244694	MJQ658	JP409	PS-14-SS-00	6/11/99	1015	Soil	0 - 2 ft.	X	X	X	X	X	X			Treated Pole Storage Area.	Dark brown sand and gravel fill.
99244695	NA	NA	PS-14-SB-04	6/11/99	1025	Soil	4 - 6 ft.					X				Treated Pole Storage Area.	Wet gray and brown clay.
99244696	NA	NA	PS-14-SB-08	6/11/99	1030	Soil	8 - 10 ft.					X				Treated Pole Storage Area.	Brown, well sorted silty sand. Strong odor.
99244761	NA	NA	PS-14-SB-13	6/11/99	1040	Soil	13 - 15 ft.			X		X				Treated Pole Storage Area.	Dark greenish-gray, poorly sorted sand and gravel.
99224214	MJQ623	JP264	OS-01-SS	5/26/99	1000	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil at northeast corner of Treated Pole Storage (PS) area.	Dry brown clay with small rocks.
99224215	MJQ624	JP265	OS-02-SS	5/26/99	1055	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil at northwest corner of PS area.	Brown moist silty clay.
99224216	MJQ625	JP266	OS-03-SS	5/26/99	1100	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil at northeast corner of White Pole Storage (WP) area.	Thick, light brown, mostly dry clay.
99224217	MJQ626	JP267	OS-04-SS	5/26/99	1130	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil on northern boundary of WP area.	Dry brown sandy silt. Stained soil.
99224218	MJQ627	JP268	OS-05-SS	5/26/99	1155	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil on northern boundary of WP area.	Dry brown sandy silt with small gravel.
99234289	MJQ694	JP437	OS-06-SS	6/2/99	1300	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil in TP area southwest of peeler.	Light, black, dry clay with organic matter.
99234290	MJQ695	JP438	OS-07-SS	6/2/99	1320	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil in TP area southeast of peeler.	Black loam mixed with wood debris.

Key is presented at the end of the table.

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SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99234291	MJQ696	JP439	OS-08-SS	6/2/99	1335	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil at southern boundary of TP.	Brown, dry, heavy clay.
99234292	MJQ697	JP440	OS-09-SS	6/2/99	1355	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil at southern boundary of TP in old equipment yard.	Brown, dry clay.
99234293	MJQ698	JP441	OS-10-SS	6/2/99	1415	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil in southeast corner of TP area.	Dark brown, dry clay.
99234294	MJQ699	JP442	OS-11-SS	6/2/99	1425	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil in southeast corner of TP area.	Brown, dry clay.
99234295	MJQ700	JP443	OS-12-SS	6/3/99	945	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil eastern boundary of TP area near dryer.	Brown, dry clay.
99234296	MJQ701	JP444	OS-13-SS	6/3/99	1000	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil eastern boundary of TP area near dryer.	Dark brown clay with some organic matter.
99234297	MJQ702	JP445	OS-14-SS	6/3/99	1015	Soil	0 - 2 ft.	X	X	X	X		X			Onsite perimeter surface soil in northeast corner of PS area.	Brown, dry clay.
99224150	MJAG18	JP181	TP-01-SS-00	5/24/99	1015	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Gravel fill at 0 to 6 inches bgs. Dry dark gray, hard clay at 6 to 9 inches bgs. Gray damp clay at 6 to 24 inches bgs.
99224151	NA	NA	TP-01-SB-04	5/24/99	1040	Soil	4 - 6 ft.			X		X				Treatment Plant Area.	Damp brown clay.
99224152	NA	NA	TP-01-SB-06	5/24/99	1100	Soil	6 - 8 ft.	X		X		X				Treatment Plant Area.	Brown clay, sand, and gravel.
99224153	NA	NA	TP-02-SS-00	5/24/99	1130	Soil	0 - 2 ft.					X				Treatment Plant Area.	Dry gray clay.
99224154	NA	NA	TP-02-SB-04	5/24/99	1140	Soil	4 - 6 ft.					X				Treatment Plant Area.	Damp gray and brown clay.
99224155	NA	NA	TP-02-SB-06	5/24/99	1155	Soil	6 - 8 ft.	X		X		X				Treatment Plant Area.	Brown and gray clay silt sand.
99224156	MJAG19	JP182	TP-03-SS-00	5/24/99	1415	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Gravel at 0 to 6 inches bgs. Gray dry clay at 6 to 24 inches.
99224157	MJAG20	JP183	TP-03-SB-04	5/24/99	1455	Soil	4 - 6 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown-gray clay and sand.
99224158	NA	NA	TP-03-SB-06	5/24/99	1510	Soil	6 - 8 ft.	X		X		X				Treatment Plant Area.	Brown and gray clay, sand, and gravel.
99224124	NA	NA	TP-04-SS-00	5/26/99	1045	Soil	0 - 2 ft.					X				Treatment Plant Area.	Brown gravel fill and sand at 0 to 6 inches bgs. Dark greenish gray dry clay at 6 inches to 2 feet bgs.
99224230	NA	NA	TP-04-SB-04	5/26/99	1055	Soil	4 - 6 ft.					X				Treatment Plant Area.	Brown and gray dry clay.
99224231	NA	NA	TP-04-SB-06	5/26/99	1100	Soil	6 - 8 ft.	X				X				Treatment Plant Area.	Brown and gray clay at 6 to 7.5 feet bgs. Sandy and gravelly silt at 7.5 to 8 feet bgs.
99224116	MJR313	JP146	TP-05-SS-00	5/25/99	1330	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown gravel fill and sand at 0 to 1 feet bgs. Dark greenish gray dry clay with green crystals 1 to 1.5 feet. PID reading at 350 ppm.
99224117	MJR314	JP147	TP-05-SB-06	5/25/99	1455	Soil	6 - 8 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown, fine to medium sand and wet and gravel approximately 1 inches diameter with cobbles of siltstone.

Key is presented at the end of the table.

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SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99224118	NA	NA	TP-05-SB-08	5/25/99	1540	Soil	8 - 10 ft.	X		X		X				Treatment Plant Area.	Brown, wet, poorly sorted sand and gravel.
99224113	NA	NA	TP-06-SS-00	5/25/99	1050	Soil	0 - 2 ft.					X				Treatment Plant Area.	Very dark gray sand and gravel with cobbles.
99224114	NA	NA	TP-06-SB-06	5/25/99	1110	Soil	6 - 8 ft.					X			X	Treatment Plant Area.	Wet gray clay at 6 to 7 feet bgs. Brown and gray poorly sorted sandy clay at 7 to 8 feet bgs.
99224115	NA	NA	TP-06-SB-08	5/25/99	1117	Soil	8 - 10 ft.	X		X		X				Treatment Plant Area.	Brown poorly sorted sandy silt with gravel.
99224110	MJR311	JP144	TP-07-SS-00	5/25/99	915	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Very dark, gray, medium sand and dry, poorly sorted gravel.
99224111	MJR312	JP145	TP-07-SB-04	5/25/99	940	Soil	4 - 6 ft.	X	X	X	X	X	X			Treatment Plant Area.	Gray and brown moist clay.
99224112	NA	NA	TP-07-SB-06	5/25/99	950	Soil	6 - 8 ft.	X		X		X				Treatment Plant Area.	Gray and wet sandy silt at 6 to 6.5 feet bgs. Brown-gray dry clay at 6.5 to 8 feet bgs.
99224170	NA	NA	TP-08-SS-00	5/26/99	945	Soil	0 - 2 ft.					X				Treatment Plant Area.	Gray gravel at 0 to 1.5 feet bgs. Gray clay at 1.5 to 2 feet bgs.
99224171	NA	NA	TP-08-SB-04	5/26/99	1000	Soil	4 - 6 ft.					X				Treatment Plant Area.	Gray clay and brown sand.
99224172	NA	NA	TP-08-SB-06	5/26/99	1010	Soil	6 - 8 ft.					X				Treatment Plant Area.	Gray clay and brown sand.
99224173	NA	NA	TP-08-SB-08	5/26/99	1020	Soil	8 - 10 ft.					X				Treatment Plant Area.	Brown sand and gravel.
99224174	NA	NA	TP-08-SB-10	5/26/99	1030	Soil	10 - 12 ft.					X				Treatment Plant Area.	Brown sand and gravel to 4 inches bgs. Black silt and clay at 4 to 6 inches bgs. Wet brown sand and gravel at 6 to 18 inches bgs.
99224175	NA	NA	TP-08-SB-12	5/26/99	1045	Soil	12 - 14 ft.					X				Treatment Plant Area.	Wet brown sand and gravel.
99224176	NA	NA	TP-08-SB-14	5/26/99	1055	Soil	14 - 16 ft.					X				Treatment Plant Area.	Brown sand and gravel.
99224177	NA	NA	TP-08-SB-16	5/26/99	1110	Soil	16 - 18 ft.					X				Treatment Plant Area.	Brown compact silt in first 2 inches, then gray, dry siltstone.
99224178	NA	NA	TP-08-SB-18	5/26/99	1155	Soil	18 - 20 ft.					X				Treatment Plant Area.	Hard gray siltstone.
99224179	NA	NA	TP-08-SB-20	5/26/99	1220	Soil	20 - 22 ft.					X				Treatment Plant Area.	Hard gray siltstone.
99224180	NA	NA	TP-08-SB-22	5/26/99	1250	Soil	22 - 24 ft.	X				X				Treatment Plant Area.	Hard gray siltstone.
99224167	MJAG25	JP188	TP-09-SS-00	5/25/99	1350	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Very dark gray clay. PID reading greater than 2000 ppm in borehole.
99224168	MJAG26	JP189	TP-09-SB-04	5/25/99	1445	Soil	4 - 6 ft.	X	X	X	X	X	X			Treatment Plant Area.	Gray clay grading to gray clay and brown sand.
99224169	NA	NA	TP-09-SB-06	5/25/99	1505	Soil	6 - 8 ft.	X		X		X				Treatment Plant Area.	Gray clay mixed with brown sand.
99224163	NA	NA	TP-10-SS-00	5/25/99	1045	Soil	0 - 2 ft.					X				Treatment Plant Area.	Gray dry gravel fill at 1 to 1 feet 4 inches bgs. Gray damp clay at 1 feet 4 inches to 3 feet bgs.
99224164	NA	NA	TP-10-SB-04	5/25/99	1100	Soil	4 - 6 ft.					X			X	Treatment Plant Area.	Gray clay to gray clay with brown sand.
99224165	NA	NA	TP-10-SB-06	5/25/99	1110	Soil	6 - 8 ft.	X		X		X				Treatment Plant Area.	Gray clay mixed with brown sand.
99224160	MJAG22	JP185	TP-11-SS-00	5/25/99	900	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Gray dry dark hard clay grading to damp, lighter, softer clay.
99224161	MJAG23	JP186	TP-11-SB-04	5/25/99	930	Soil	4 - 6 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown silt, clay, and sand.

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SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99224162	NA	NA	TP-11-SB-06	5/25/99	1000	Soil	6 - 8 ft.	X		X		X				Treatment Plant Area.	Brown wet sand and gravel.
99244679	NA	NA	TP-11-SB-10	6/10/99	1200	Soil	10 - 12 ft.					X				Treatment Plant Area.	Brown, silty sand and gravel. Water bearing zone.
99244680	NA	NA	TP-11-SB-12	6/10/99	1215	Soil	12 - 14 ft.					X				Treatment Plant Area.	Gray, sandy clay grading to gray, very fine sand and weathered siltstone.
99224236	MJR317	JP154	TP-12-SS-00	5/26/99	1510	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Gravel fill and brown sand at 0 to 0.5 feet bgs. Dark greenish gray, dry clay at 0.5 to 1.5 feet bgs.
99224237	MJR318	JP155	TP-12-SB-04	5/26/99	1530	Soil	4 - 6 ft.	X	X	X	X	X	X			Treatment Plant Area.	Dark greenish gray clay.
99224238	NA	NA	TP-12-SB-06	5/26/99	1540	Soil	6 - 8 ft.	X				X				Treatment Plant Area.	Wet brown and gray silt.
99244613	NA	NA	TP-12-SB-10	6/8/99	1535	Soil	10 - 12 ft.					X				Treatment Plant Area.	Wet brown sand and gravel.
99244614	NA	NA	TP-12-SB-12	6/8/99	1545	Soil	12 - 14 ft.					X				Treatment Plant Area.	Saturated brown and gray sand with some gravel.
99244615	NA	NA	TP-12-SB-14	6/8/99	1600	Soil	14 - 16 ft.					X				Treatment Plant Area.	Saturated gray sand with some gravel. Odor and sheen.
99244616	NA	NA	TP-12-SB-16A	6/8/99	1640	Soil	16 - 18 ft.					X				Treatment Plant Area.	Gray siltstone.
99244617	NA	NA	TP-12-SB-16B	6/8/99	1645	Soil	16 - 18 ft.					X				Treatment Plant Area.	Dry gray sand and silt.
99224232	NA	NA	TP-13-SS-00	5/26/99	1145	Soil	0 - 2 ft.					X				Treatment Plant Area.	Gravel fill and brown sand at 0 to 6 inches bgs. Dark greenish gray, dry clean clay at 6 inches to 2 feet bgs.
99224233	NA	NA	TP-13-SB-04	5/26/99	1150	Soil	4 - 6 ft.					X				Treatment Plant Area.	Dark greenish gray clay grading to more brown and sandy clay.
99224234	NA	NA	TP-13-SB-06	5/26/99	1200	Soil	6 - 8 ft.	X				X				Treatment Plant Area.	Moist dark greenish gray clay at 6 to 7 feet bgs. Black sandy silt at 7 to 7.5 feet.
99244610	NA	NA	TP-13-SB-10	6/8/99	1415	Soil	10 - 12 ft.					X				Treatment Plant Area.	Wet brown sand and gravel.
99244611	NA	NA	TP-13-SB-12	6/8/99	1430	Soil	12 - 14 ft.					X				Treatment Plant Area.	Wet brown sand and gravel.
99244612	NA	NA	TP-13-SB-14	6/8/99	1435	Soil	14 - 16 ft.					X				Treatment Plant Area.	Siltstone contact at 14 feet bgs.
99224504	MJR322	JP164	TP-14-SB-02	5/28/99	930	Soil	2 - 4 ft.	X	X	X	X	X	X			Treatment Plant Area.	Dark greenish gray dry clay.
99224505	MJR323	JP165	TP-14-SB-04	5/28/99	1005	Soil	4 - 6 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown-gray sandy clay.
99224506	NA	NA	TP-14-SB-06	5/28/99	1040	Soil	6 - 8 ft.					X				Treatment Plant Area.	Brown, fine to compact sand with a trace of moist, poorly sorted clay.
99224507	NA	NA	TP-14-SB-08	5/28/99	1050	Soil	8 - 10 ft.					X				Treatment Plant Area.	Brown, fine to compact sand with a trace of wet, poorly sorted clay.
99224508	NA	NA	TP-14-SB-10	5/28/99	1100	Soil	10 - 12 ft.					X				Treatment Plant Area.	Brown wet, poorly sorted, sandy gravel.
99224509	NA	NA	TP-14-SB-12	5/28/99	1120	Soil	12 - 14 ft.									Treatment Plant Area.	Brown, oily sand and gravel.
99224513	NA	NA	TP-14-SB-13	5/28/99	1325	Soil	13 - 15 ft.	X	X	X	X		X			Treatment Plant Area.	Oily sand and gravel.
99224510	NA	NA	TP-14-SB-14	5/28/99	1145	Soil	14 - 16 ft.									Treatment Plant Area.	Wet sand at 14 to 14.5 feet bgs. Gray fine sand at 14.5 to 16 feet bgs.
99224511	NA	NA	TP-14-SB-16	5/28/99	1200	Soil	16 - 18 ft.					X				Treatment Plant Area.	Brown, oily sand and gravel.
99224512	NA	NA	TP-14-SB-18	5/28/99	1220	Soil	18 - 20 ft.	X				X				Treatment Plant Area.	Gray, very fine dense sand grading to siltstone.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99234351	MJR328	JP174	TP-15-SS-00	6/2/99	845	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown, moist, medium to fine sand and gravel fill at 0 to 1 foot bgs. Dark, greenish gray clay at 1 to 2 feet bgs.
99234352	NA	NA	TP-15-SB-04	6/2/99	910	Soil	4 - 6 ft.					X				Treatment Plant Area.	Dry gray and brown clay.
99234353	NA	NA	TP-15-SB-06	6/2/99	925	Soil	6 - 8 ft.					X				Treatment Plant Area.	Dry brown-gray sandy clay.
99234354	NA	NA	TP-15-SB-08	6/2/99	935	Soil	8 - 10 ft.					X				Treatment Plant Area.	Brown-gray sandy clay at 8 to 9 feet bgs. Dark greenish gray, wet, fine, well-sorted sand at 9 to 10 feet bgs.
99234355	NA	NA	TP-15-SB-10	6/2/99	940	Soil	10 - 12 ft.					X				Treatment Plant Area.	Brown, wet, very fine sandy clay at 10 to 10.5 feet bgs. Dark gray, very fine sandy wet clay at 10.5 to 11 feet bgs.
99234356	NA	NA	TP-15-SB-12	6/2/99	945	Soil	12 - 14 ft.									Treatment Plant Area.	Dark, gray, very fine, wet, very soft sandy clay at 12 to 12.5 feet bgs. Gray, poorly sorted sand and gravel at 12 1/2 to 13 1/2 feet bgs. Oily sheen.
99234359	NA	NA	TP-15-SB-13	6/2/99	1045	Soil	13 - 16 ft.	X	X	X	X		X			Treatment Plant Area.	Gray, dense, very fine sand with product.
99234357	NA	NA	TP-15-SB-14	6/2/99	1005	Soil	14 - 16 ft.									Treatment Plant Area.	Brown, poorly sorted, wet sand at 14 to 14.5 feet bgs with an oily sheen. Brown, wet gravel at 14.5 to 15.5 feet bgs with an oily sheen. Gray, dense dry sand and silt at 15.5 to 16 feet bgs.
99234358	NA	NA	TP-15-SB-16	6/2/99	1020	Soil	16 - 18 ft.	X				X			X	Treatment Plant Area.	Gray, dense, very fine sand and siltstone at 16 to 16.5 feet bgs.
99224500	NA	NA	TP-16-SB-02	5/27/99	1540	Soil	2 - 4 ft.					X				Treatment Plant Area.	Dark greenish gray clay.
99224501	NA	NA	TP-16-SB-04	5/27/99	1550	Soil	4 - 6 ft.					X				Treatment Plant Area.	Dark greenish gray and brown sandy silt.
99224502	NA	NA	TP-16-SB-06	5/27/99	1600	Soil	6 - 8 ft.					X				Treatment Plant Area.	Wet sandy silt with some brown clay. Oily sheen.
99224503	NA	NA	TP-16-SB-08	5/27/99	1605	Soil	8 - 10 ft.	X				X				Treatment Plant Area.	Wet sandy silt with some brown clay. Oily sheen.
99244659	NA	NA	TP-16-SB-10	6/8/99	1450	Soil	10 - 12 ft.					X				Treatment Plant Area.	Brown silty sand and gravel with product.
99244660	NA	NA	TP-16-SB-14	6/8/99	1500	Soil	14 - 16 ft.					X				Treatment Plant Area.	Wet, brown sand and gravel at 14 to 14.5 feet bgs. Dry gray, very fine sand and dense siltstone at 14.5 to 16 feet bgs.
99234262	MJR326	JP168	TP-17-SS-00	6/1/99	1500	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Dark gray sand and gravel fill.
99234263	NA	NA	TP-17-SB-04	6/1/99	1525	Soil	4 - 6 ft.					X			X	Treatment Plant Area.	Dark gray and green, dry dense clay.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99234264	NA	NA	TP-17-SB-06	6/1/99	1600	Soil	6 - 8 ft.					X				Treatment Plant Area.	Dark gray, dry dense clay at 6 to 7 feet bgs. Brown, sandy clay at 7 to 8 feet bgs.
99234265	MJR327	JP169	TP-17-SB-08	6/1/99	1605	Soil	8 - 10 ft.	X	X	X	X	X	X		X	Treatment Plant Area.	Brown, medium to fine sand and gray, 1/2 inch diameter gravel. Groundwater observed at approximately 10 feet bgs.
99234266	NA	NA	TP-17-SB-10	6/1/99	1635	Soil	10 - 12 ft.	X				X				Treatment Plant Area.	Brown wet gravelly sand.
99224185	NA	NA	TP-18-SS-00	5/27/99	910	Soil	0 - 2 ft.					X				Treatment Plant Area.	Gray clay.
99224186	NA	NA	TP-18-SB-04	5/27/99	925	Soil	4 - 6 ft.					X				Treatment Plant Area.	Gray clay mottled with brown sand.
99224187	NA	NA	TP-18-SB-06	5/27/99	935	Soil	6 - 8 ft.					X				Treatment Plant Area.	Gray clay at 6 to 6.5 feet bgs. Brown sand at 6.5 to 7 feet bgs.
99224188	NA	NA	TP-18-SB-08	5/27/99	940	Soil	8 - 10 ft.					X				Treatment Plant Area.	Brown clay with sand and gravel.
99224189	MJAG28	JP191	TP-18-SB-10	5/27/99	1200	Soil	10 - 12 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown damp sand and gravel with black product.
99224190	NA	NA	TP-18-SB-12	5/27/99	1015	Soil	12 - 14 ft.					X				Treatment Plant Area.	Brown wet sand and gravel.
99224191	NA	NA	TP-18-SB-14	5/27/99	1025	Soil	14 - 16 ft.					X				Treatment Plant Area.	Brown wet sand and gravel.
99224192	NA	NA	TP-18-SB-16	5/27/99	1045	Soil	16 - 18 ft.	X				X				Treatment Plant Area.	Brown wet sand and gravel in first 20 inches of boring. Gray siltstone below sand and gravel.
99224199	MJAG29	JP198	TP-19-SS-00	5/28/99	900	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Gray gravel at 0 to 4 inches bgs. Gray clay below 4 inches.
99224200	MJAG30	JP199	TP-19-SB-04	5/28/99	940	Soil	4 - 6 ft.					X				Treatment Plant Area.	Gray clay grading to gray clay mottled with brown sand.
99224531	NA	NA	TP-19-SB-06	5/28/99	1020	Soil	6 - 8 ft.	X				X			X	Treatment Plant Area.	Brown and gray clay and fine sand.
99224535	NA	NA	TP-19-SB-10	5/28/99	1110	Soil	10 - 12 ft.					X				Treatment Plant Area.	Brown, very fine sand and silt with some clay.
99224532	MJAG31	JP200	TP-19-SB-12	5/28/99	1120	Soil	12 - 14 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown, very fine sand and silt with a little clay to 12.5 feet bgs. Brown sand and gravel below 12.5 feet.
99224533	MJAG32	JP201	TP-19-SB-14	5/28/99	1300	Soil	14 - 16 ft.	X	X	X	X	X	X			Treatment Plant Area.	Wet, brown sand and gravel. Product present.
99224534	NA	NA	TP-19-SB-16	5/28/99	1235	Soil	16 - 18 ft.	X				X				Treatment Plant Area.	Wet, brown sand and gravel and gray siltstone.
99224246	MJR319	JP161	TP-20-SS-00	5/27/99	1025	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown sand and grave fill at 0 to 1.5 feet bgs. Dark greenish gray dry clay at 1.5 to 2 feet bgs.
99224247	MJR320	JP162	TP-20-SB-04	5/27/99	1055	Soil	4 - 6 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown and gray clay grading to more brown.
99224248	NA	NA	TP-20-SB-06	5/27/99	1110	Soil	6 - 8 ft.	X				X				Treatment Plant Area.	Brown dry clay.
99244661	NA	NA	TP-20-SB-10	6/8/99	1555	Soil	10 - 12 ft.					X				Treatment Plant Area.	Brown, silty sand and gravel.
99244662	NA	NA	TP-20-SB-12	6/8/99	1610	Soil	12 - 14 ft.					X				Treatment Plant Area.	Brown, silty sand and gravel.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99244663	NA	NA	TP-20-SB-14	6/8/99	1620	Soil	14 - 16 ft.					X				Treatment Plant Area.	Brown, silty sand and gravel at 14 to 15.5 feet bgs. Gray, very fine sand and dense siltstone at 15.5 to 16 feet bgs.
99234300	MJAG33	JP206	TP-21-SS-00	6/2/99	850	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Gray, dry gravel at 1 to 1.5 feet bgs. Gray, damp clay at 1.5 feet to 3 feet bgs.
99234301	MJAG34	JP207	TP-21-SB-04	6/2/99	935	Soil	4 - 6 ft.	X	X	X	X	X	X			Treatment Plant Area.	Gray, damp clay at 4 to 5 feet bgs with brown sand at 5 to 6 feet bgs.
99234302	NA	NA	TP-21-SB-06	6/2/99	1010	Soil	6 - 8 ft.					X				Treatment Plant Area.	Brown sand and clay.
99234303	NA	NA	TP-21-SB-08	6/2/99	1020	Soil	8 - 10 ft.					X				Treatment Plant Area.	Brown sand and clay.
99234304	NA	NA	TP-21-SB-10	6/2/99	1035	Soil	10 - 12 ft.					X				Treatment Plant Area.	Brown sand and gravel.
99234305	NA	NA	TP-21-SB-12	6/2/99	1050	Soil	12 - 14 ft.	X				X				Treatment Plant Area.	Brown sand and gravel.
99224243	NA	NA	TP-22-SS-00	5/27/99	925	Soil	0 - 2 ft.					X				Treatment Plant Area.	Gravel fill and brown sand at 0 to 1 foot 10 inches bgs. Dark greenish gray, dry clay at 1 foot 10 inches to 2
99224244	NA	NA	TP-22-SB-04	5/27/99	935	Soil	4 - 6 ft.					X				Treatment Plant Area.	Dark greenish gray dry clay at 4 to 5.5 feet bgs. Gray and brown fine sand and clay at 5.5 to 6 feet bgs.
99224245	NA	NA	TP-22-SB-06	5/27/99	945	Soil	6 - 8 ft.	X				X				Treatment Plant Area.	Gray sand at 6 to 6.5 feet bgs. Brown clay at 6.5 to 7 feet bgs.
99234254	NA	NA	TP-23-SS-00	6/1/99	1505	Soil						X				Treatment Plant Area.	Gray gravel at 0 to 1.5 feet bgs. Gray moist clay at 1.5 to 3 feet bgs.
99234255	NA	NA	TP-23-SB-04	6/1/99	1515	Soil	4 - 6 ft.					X				Treatment Plant Area.	Gray clay grading to moist gray clay and brown sand.
99234256	NA	NA	TP-23-SB-06	6/1/99	1540	Soil	6 - 8 ft.					X			X	Treatment Plant Area.	Brown silt and sand with trace gravel near bottom of interval.
99234257	NA	NA	TP-23-SB-08	6/1/99	1550	Soil	8 - 10 ft.					X				Treatment Plant Area.	Wet brown sand and gravel.
99234258	NA	NA	TP-23-SB-10	6/1/99	1610	Soil	10 - 12 ft.					X				Treatment Plant Area.	Wet brown sand and gravel.
99234259	NA	NA	TP-23-SB-12	6/1/99	1620	Soil	12 - 14 ft.	X				X				Treatment Plant Area.	Wet brown sand and gravel.
99224181	NA	NA	TP-24-SS-00	5/26/99	1530	Soil	0 - 2 ft.					X				Treatment Plant Area.	Dry gray gravel at 0 to 6 inches bgs. Wet gray gravel at 6 to 12 inches bgs.
99224182	NA	NA	TP-24-SB-04	5/26/99	1540	Soil	4 - 6 ft.					X			X	Treatment Plant Area.	Moist gray clay to dry gray clay with brown sand.
99224183	NA	NA	TP-24-SB-06	5/26/99	1550	Soil	6 - 8 ft.	X				X				Treatment Plant Area.	Gray clay mottled with brown sand.
99244674	MJQ655	JP405	TP-25-SS-00	6/10/99	915	Soil	0 - 2 ft.	X	X	X	X	X	X			Treatment Plant Area.	Brown and gray sand and gravel fill with pebbles up to 2 inches in diameter and dry asphalt.
99244675	NA	NA	TP-25-SB-04	6/10/99	945	Soil	4 - 6 ft.					X				Treatment Plant Area.	Dark greenish-gray, soft clay.
99244676	NA	NA	TP-25-SB-08	6/10/99	955	Soil	8 - 10 ft.					X				Treatment Plant Area.	Brown and gray, moist, well-sorted silty sand.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99244677	MJQ656	JP406	TP-25-SB-12	6/10/99	1000	Soil	12 - 14 ft.	X	X	X	X	X	X			Treatment Plant Area.	Wet, brown, silty sand and gravel with a stained lens of very dark brown to black material.
99244678	NA	NA	TP-25-SB-16	6/10/99	1050	Soil	16 - 18 ft.					X				Treatment Plant Area.	Wet, brown, silty sand and gravel at 16 to 16.5 feet bgs. Dense gray very fine sand and siltstone at 16.5 to 18 feet bgs.
99244681	NA	NA	TP-26-SB-08	6/10/99	1440	Soil	8 - 10 ft.					X				Treatment Plant Area.	Brown, poorly sorted, silty sand, gravel, and pebbles.
99244682	NA	NA	TP-26-SB-10	6/10/99	1500	Soil	10 - 12 ft.					X				Treatment Plant Area.	Brown, silty sand and gravel with product present.
99244683	NA	NA	TP-27-SB-09	6/10/99	1615	Soil	9 - 11 ft.					X				Treatment Plant Area.	Wet, poorly sorted, brown, silty sand, gravel, and cobbles.
99244684	NA	NA	TP-27-SB-11	6/10/99	1630	Soil	11 - 13 ft.					X				Treatment Plant Area.	Wet, poorly sorted, brown, silty sand, gravel, and cobbles at 11 to 11.5 feet bgs. Gray siltstone at 11.5 to 12 feet bgs.
99234306	NA	NA	TS-01-SS-00	6/2/99	1305	Soil	0 - 2 ft.					X				Truck Shop Area.	Gray and brown sand and gravel.
99234307	NA	NA	TS-01-SB-04	6/2/99	1315	Soil	4 - 6 ft.					X				Truck Shop Area.	Gray clay and silt.
99234308	NA	NA	TS-01-SB-06	6/2/99	1340	Soil	6 - 8 ft.	X				X				Truck Shop Area.	Gray clay and silt with some brown sand.
99234309	MJAG35	JP208	TS-02-SS-00	6/2/99	1430	Soil	0 - 2 ft.	X	X	X	X	X	X			Truck Shop Area.	Gray sand and gravel at 0 to 1 foot 4 inches bgs. Dark gray clay with organic matter at 1 foot 4 inches to 3 feet bgs.
99234310	MJAG36	JP209	TS-02-SB-04	6/2/99	1530	Soil	4 - 6 ft.	X	X	X	X	X	X			Truck Shop Area.	Gray damp clay.
99234311	NA	NA	TS-02-SB-06	6/2/99	1600	Soil	6 - 8 ft.	X				X				Truck Shop Area.	Gray damp clay.
99234375	NA	NA	TS-03-SS-00	6/3/99	1100	Soil	0 - 2 ft.					X				Truck Shop Area.	Brown sand and gravel fill at 0 to 1.5 feet bgs. Dark, gray, dry, dense clay at 1.5 to 2 feet bgs.
99234376	NA	NA	TS-03-SB-04	6/3/99	1105	Soil	4 - 6 ft.					X				Truck Shop Area.	Dark, gray, dry, sticky clay.
99234377	NA	NA	TS-03-SB-06	6/3/99	1110	Soil	6 - 8 ft.					X				Truck Shop Area.	Gray silty sand at 6 to 6.5 feet bgs. Brown sandy clay at 6.5 to 8 feet bgs.
99234378	NA	NA	TS-03-SB-10	6/3/99	1125	Soil	10 - 12 ft.	X				X				Truck Shop Area.	Brown wet fine sand at 10 to 11.5 feet bgs.
99234371	MJAF98	JP387	TS-04-SS-00	6/3/99	835	Soil	0 - 2 ft.	X	X	X	X	X	X			Truck Shop Area.	Dry sand and gravel fill.
99234372	NA	NA	TS-04-SB-04	6/3/99	920	Soil	4 - 6 ft.					X				Truck Shop Area.	Gray, dry, clean, sticky clay.
99234373	MJAF99	JP388	TS-04-SB-06	6/3/99	925	Soil	6 - 8 ft.	X	X	X	X	X	X		X	Truck Shop Area.	Dry brown and gray clay.
99234374	NA	NA	TS-04-SB-10	6/3/99	935	Soil	10 - 12 ft.	X				X				Truck Shop Area.	Dry brown, sandy clay.
99234364	NA	NA	TS-05-SS-00	6/2/99	1455	Soil	0 - 2 ft.					X				Truck Shop Area.	Sand and gravel fill with some bright orange color.
99234365	NA	NA	TS-05-SB-04	6/2/99	1500	Soil	4 - 6 ft.					X				Truck Shop Area.	Dark, greenish gray, clean, dry clay.
99234366	NA	NA	TS-05-SB-06	6/2/99	1510	Soil	6 - 8 ft.	X				X			X	Truck Shop Area.	Dark, greenish-gray dry clay with a lens of gravel at 6.5 feet bgs.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99234360	MJR330	JP380	TS-06-SS-00	6/2/99	1255	Soil	0 - 2 ft.	X	X	X	X	X	X			Truck Shop Area.	Brown and gray sand and gravel fill at 0 to 1.5 feet bgs. Dark, greenish-gray, dry clay at 1.5 to 2 feet bgs.
99234361	MJAF96	JP381	TS-06-SB-04	6/2/99	1325	Soil	4 - 6 ft.	X	X	X	X	X	X		X	Truck Shop Area.	Dark, greenish gray, clean wet clay.
99234362	NA	NA	TS-06-SB-06	6/2/99	1330	Soil	6 - 8 ft.	X				X				Truck Shop Area.	Dark, greenish gray, clean wet clay at 6 to 7 feet bgs. Very fine poorly sorted sand at 7 to 8 feet bgs.
99214143	MJAF87	JP550	WP-01-SS-00	5/20/99	1000	Soil	0 - 2 ft.	X	X	X	X	X	X			White Pole Storage Area.	Dry gray gravel fill at 0 to 20 inches bgs. Gray, damp clay at 20 to 24 inches bgs.
99214144	MJAF88	JP551	WP-01-SB-04	5/20/99	1130	Soil	4 - 6 ft.	X	X	X	X	X	X			White Pole Storage Area.	Gray clay with a little brown sand.
99214145	NA	NA	WP-01-SB-06	5/20/99	1200	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Brown and gray silt and sand with some sand.
99214137	NA	NA	WP-02-SS-00	5/20/99	950	Soil	0 - 2 ft.					X				White Pole Storage Area.	Dark, greenish gray fill sand and gravel to 1.5 feet bgs. Dry clay at 1.5 to 2 feet bgs.
99214138	NA	NA	WP-02-SB-04	5/20/99	955	Soil	4 - 6 ft.					X				White Pole Storage Area.	Gray and brown dry clay.
99214139	NA	NA	WP-02-SB-06	5/20/99	1000	Soil	6 - 8 ft.	X		X		X			X	White Pole Storage Area.	Reddish brown malleable clay.
99214180	MJR300	JP122	WP-03-SS-02	5/21/99	1340	Soil	2 - 4 ft.	X	X	X	X	X	X			White Pole Storage Area.	Gray dry plastic clay.
99214181	MJR301	JP123	WP-03-SB-04	5/21/99	1430	Soil	4 - 6 ft.	X	X	X	X	X	X			White Pole Storage Area.	Dry gray and brown clay.
99214182	NA	NA	WP-03-SB-06	5/21/99	1500	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Dry grayish brown clay.
99214146	NA	NA	WP-04-SS-00	5/20/99	1415	Soil	0 - 2 ft.					X				White Pole Storage Area.	Dry gray gravel fill.
99214147	NA	NA	WP-04-SB-04	5/20/99	1425	Soil	4 - 6 ft.					X				White Pole Storage Area.	Gray clay with brown sand.
99214148	NA	NA	WP-04-SB-06	5/20/99	1505	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Gray clay with brown sand.
99214140	MJR293	JP113	WP-05-SS-00	5/20/99	1115	Soil	0 - 2 ft.	X	X	X	X	X	X		X	White Pole Storage Area.	Fill to sand and gravel at 0 to 1.5 feet bgs. Greenish dry clay at 1.5 to 2 feet bgs.
99214161	MJR294	JP114	WP-05-SB-04	5/20/99	1145	Soil	4 - 6 ft.	X	X	X	X	X	X			White Pole Storage Area.	Dark reddish gray dry clay.
99214162	NA	NA	WP-05-SB-06	5/20/99	1200	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Dark reddish gray dry clay.
99214163	NA	NA	WP-06-SS-00	5/20/99	1410	Soil	0 - 2 ft.					X				White Pole Storage Area.	Gravel fill to grayish sand and gravel at 0 to 1.5 feet bgs. Very dark, gray, dry clay at 1.5 to 2 feet bgs.
99214164	NA	NA	WP-06-SB-04	5/20/99	1420	Soil	4 - 6 ft.					X				White Pole Storage Area.	Very dark, gray clay with reddish brown fine sand.
99214165	NA	NA	WP-06-SB-06	5/20/99	1425	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Brown moist malleable clay to silt.
99214150	MJAF90	JP553	WP-07-SS-00	5/21/99	900	Soil	0 - 2 ft.	X	X	X	X	X	X			White Pole Storage Area.	Gray to brown sand and gravel. Background location for surface gravel fill.
99214151	MJAF91	JP554	WP-07-SB-04	5/21/99	950	Soil	4 - 6 ft.	X	X	X	X	X	X			White Pole Storage Area.	Gray and brown clay.
99214152	NA	NA	WP-07-SB-06	5/21/99	1025	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Brown clay, silt, and sand.
99214153	NA	NA	WP-08-SS-00	5/21/99	1045	Soil	0 - 2 ft.					X			X	White Pole Storage Area.	Brown and gray sand and gravel.
99214154	NA	NA	WP-08-SB-04	5/21/99	1105	Soil	4 - 6 ft.					X				White Pole Storage Area.	Brown clay with little sand grading to gray clay with some plant fibers.
99214155	NA	NA	WP-08-SB-06	5/21/99	1125	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Brown clay silt and sand.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99214166	MJR295	JP115	WP-09-SS-02	5/20/99	1500	Soil	2 - 4 ft.	X	X	X	X	X	X			White Pole Storage Area.	Dark, greenish gray dry clay.
99214167	MJR296	JP116	WP-09-SB-04	5/20/99	1600	Soil	4 - 6 ft.	X	X	X	X	X	X			White Pole Storage Area.	Dark, greenish gray and brown, wet sandy clay.
99214168	NA	NA	WP-09-SB-06	5/20/99	1625	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Brown, sandy clay.
99214171	NA	NA	WP-10-SS-00	5/21/99	907	Soil	0 - 2 ft.					X				White Pole Storage Area.	Gravel fill and brown, dry sand and gravel.
99214172	NA	NA	WP-10-SB-04	5/21/99	915	Soil	4 - 6 ft.					X				White Pole Storage Area.	Dry brown and gray clay.
99214173	NA	NA	WP-10-SB-06	5/21/99	925	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Dry brown sandy silt.
99214174	MJR298	JP119	WP-11-SS-00	5/21/99	1000	Soil	0 - 2 ft.	X	X	X	X	X	X			White Pole Storage Area.	Gravel and sand at 0 to 0.5 feet bgs. Brown and gray clay at 0.5 to 2 feet bgs.
99214175	MJR299	JP120	WP-11-SB-04	5/21/99	1025	Soil	4 - 6 ft.	X	X	X	X	X	X			White Pole Storage Area.	Brown silty fine to medium sand.
99214176	NA	NA	WP-11-SB-06	5/21/99	1030	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Greenish gray clay at 6 to 7 feet bgs. Brown sandy silt at 7 to 8 feet bgs.
99214177	NA	NA	WP-12-SS-00	5/21/99	1125	Soil	0 - 2 ft.					X				White Pole Storage Area.	Wet, well sorted fine sand.
99214178	NA	NA	WP-12-SB-04	5/21/99	1140	Soil	4 - 6 ft.					X				White Pole Storage Area.	Dry brown and gray clay.
99214179	NA	NA	WP-12-SB-06	5/21/99	1145	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Gray wet silt at 6 to 6.5 feet bgs. Brown dry clay at 6.5 to 8 feet bgs.
99214188	MJR305	JP128	WP-13-SS-00	5/22/99	1100	Soil	0 - 2 ft.	X	X	X	X	X	X			White Pole Storage Area.	Black, moist, medium to fine sand at 0 to 6 inches bgs. Strong odor.
99214189	MJR306	JP129	WP-13-SB-04	5/22/99	1130	Soil	4 - 6 ft.	X	X	X	X	X	X			White Pole Storage Area.	Gray and brown dry clay at 4 to 5.5 feet bgs.
99214190	NA	NA	WP-13-SB-06	5/22/99	1140	Soil	6 - 8 ft.	X		X		X				White Pole Storage Area.	Gray and brown dry clay.
99244665	MJAG11	JP396	BG-01-SS-00	6/9/99	840	Soil	0 - 2 ft.	X	X	X	X		X			White Pole Storage Area.	Brown, poorly sorted sand and gravel fill.
99244666	MJAG12	JP397	BG-01-SB-02	6/9/99	930	Soil	2 - 4 ft.	X	X	X	X		X			White Pole Storage Area.	Dry greenish black clay.
99244667	MJAG13	JP398	BG-01-SB-04	6/9/99	1015	Soil	4 - 6 ft.	X	X	X	X		X			White Pole Storage Area.	Dark yellowish-brown, very fine sandy clay.
99244668	MJQ649	JP399	BG-01-SB-06	6/9/99	1045	Soil	6 - 8 ft.	X	X	X	X		X			White Pole Storage Area.	Dark yellowish-brown, sandy clay.
99244669	MJQ650	JP400	BG-01-SB-08	6/9/99	1115	Soil	8 - 10 ft.	X	X	X	X		X			White Pole Storage Area.	Wet, poorly sorted, brown, silty sand and gravel.
99244670	MJQ651	JP401	BG-01-SB-10	6/9/99	1405	Soil	10 - 12 ft.	X	X	X	X		X			White Pole Storage Area.	Wet, poorly sorted, brown, silty sand and gravel.
99244671	MJQ652	JP402	BG-01-SB-12	6/9/99	1500	Soil	12 - 14 ft.	X	X	X	X		X			White Pole Storage Area.	Wet, poorly sorted, brown, silty sand and gravel.
99244672	MJQ653	JP403	BG-01-SB-14	6/9/99	1555	Soil	14 - 16 ft.	X	X	X	X		X			White Pole Storage Area.	Wet, poorly sorted, brown, silty sand and gravel.
99244673	MJQ654	JP404	BG-01-SB-16	6/9/99	1705	Soil	16 - 18 ft.	X	X	X	X		X			White Pole Storage Area.	Very wet, poorly sorted, brown silty sand and gravel at 16 to 16.5 feet bgs. Brown silty sand and gravel at 16.5 to 17 feet bgs. Gray, dry siltstone at 17 to 18.5 feet bgs.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
Onsite Soil Samples - East Facility																	
99234312	MJAG37	JP210	EP-01-SS-00	6/3/99	1405	Soil	0 - 2 ft.	X	X	X	X	X	X			End Painting Facility Area.	Brown and gray sand and gravel fill at 0 to 1.5 feet bgs. Very dark greenish gray, poorly sorted, moist sand at 1.5 to 2 feet bgs. PID reading at 60 ppm.
99234380	MJAG01	JP390	EP-01-SB-04	6/3/99	1440	Soil	4 - 6 ft.	X	X	X	X	X	X			End Painting Facility Area.	Dry brown and gray clay.
99234381	NA	NA	EP-01-SB-06	6/3/99	1455	Soil	6 - 8 ft.					X				End Painting Facility Area.	Dry brown and gray clay at 6 to 6.5 feet bgs. Dry brown sandy clay at 6.5 to 8 feet bgs.
99234382	NA	NA	EP-01-SB-10	6/3/99	1500	Soil	10 - 12 ft.	X				X				End Painting Facility Area.	Wet brown fine sand.
99234383	NA	NA	EP-02-SS-00	6/3/99	1635	Soil	0 - 2 ft.					X				End Painting Facility Area.	Gray gravel fill, sand, wood, and asphalt.
99234384	NA	NA	EP-02-SB-04	6/3/99	1645	Soil	4 - 6 ft.					X			X	End Painting Facility Area.	Dry gray, low plasticity clay.
99234385	NA	NA	EP-02-SB-06	6/3/99	1700	Soil	6 - 8 ft.					X				End Painting Facility Area.	Dry brown and gray clay.
99234386	NA	NA	EP-02-SB-10	6/3/99	1705	Soil	10 - 12 ft.	X				X				End Painting Facility Area.	Moist, plastic brown clay.
99234318	MJAG39	JP216	EP-03-SS-00	6/4/99	840	Soil	0 - 2 ft.	X	X	X	X	X	X			End Painting Facility Area.	Gray damp clay.
99234319	MJAG40	JP217	EP-03-SB-04	6/4/99	935	Soil	4 - 6 ft.	X	X	X	X	X	X			End Painting Facility Area.	Dry brown sand and gravel. PID reading at 1700 ppm.
99234320	NA	NA	EP-03-SB-10	6/4/99	1005	Soil	10 - 12 ft.	X				X				End Painting Facility Area.	Brown sand and some gravel at 10 to 10.5 feet bgs. Wet gray sand and gravel at 10.5 to 12 feet bgs.
99234321	NA	NA	EP-04-SS-00	6/4/99	1135	Soil	0 - 2 ft.					X				End Painting Facility Area.	Wet gray sand and gravel. PID reading at 1700 ppm.
99234322	NA	NA	EP-04-SB-04	6/4/99	1140	Soil	4 - 6 ft.	X		X		X				End Painting Facility Area.	Gray clay.
99234323	NA	NA	EP-04-SB-08	6/4/99	1155	Soil	8 - 10 ft.					X				End Painting Facility Area.	Gray clay and brown sand.
99234324	NA	NA	EP-04-SB-12	6/4/99	1210	Soil	12 - 14 ft.					X				End Painting Facility Area.	Gray silt and fine sand at 12 to 13 feet bgs. Gray and brown, medium sand with some silt at 13 to 14 feet bgs.
99234326	NA	NA	EP-05-SS-00	6/4/99	1510	Soil	0 - 2 ft.					X				End Painting Facility Area.	Gray sand and gravel.
99234327	NA	NA	EP-05-SB-04	6/4/99	1515	Soil	4 - 6 ft.					X				End Painting Facility Area.	Gray, silty clay grading to brown sand and clay.
99234328	NA	NA	EP-05-SB-08	6/4/99	1525	Soil	8 - 10 ft.	X		X		X				End Painting Facility Area.	Brown sand and gravel.
99234329	NA	NA	EP-05-SB-12	6/4/99	1555	Soil	12 - 14 ft.					X				End Painting Facility Area.	Brown sand and gravel.
99234330	NA	NA	EP-06-SS-00	6/4/99	1625	Soil	0 - 2 ft.					X				End Painting Facility Area.	Gray sand and gravel at 0 to 1.5 feet bgs. Gray silt at 1.5 to 2 feet bgs.
99234331	NA	NA	EP-06-SB-04	6/4/99	1630	Soil	4 - 6 ft.					X				End Painting Facility Area.	Gray clay.
99234332	NA	NA	EP-06-SB-08	6/4/99	1645	Soil	8 - 10 ft.					X				End Painting Facility Area.	Mottled gray and brown clay and sand.
99234333	NA	NA	EP-06-SB-12	6/4/99	1710	Soil	12 - 14 ft.	X		X		X				End Painting Facility Area.	Mottled gray and brown clay and sand.
99234387	NA	NA	MM-01-SS-00	6/4/99	945	Soil	0 - 2 ft.					X				Moe's Mountain waste pile.	Brown organic peat and wood.
99234388	NA	NA	MM-01-SB-06	6/4/99	950	Soil	6 - 8 ft.					X				Moe's Mountain waste pile.	Black organic peat and wood.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99234389	NA	NA	MM-01-SB-10	6/4/99	955	Soil	10 - 12 ft.					X			X	Moe's Mountain waste pile.	Black organic peat and wood at 10 to 10.5 feet bgs. Gray, plastic, moist clay at 10.5 to 11.5 feet bgs.
99234390	NA	NA	MM-01-SB-18	6/4/99	1000	Soil	18 - 20 ft.					X				Moe's Mountain waste pile.	Brown sand and gravel.
99234391	NA	NA	MM-01-SB-22	6/4/99	1105	Soil	22 - 24 ft.	X		X		X				Moe's Mountain waste pile.	Wet brown, poorly sorted, sand and gravel at 21.7 to 23.7 feet bgs.
99234392	NA	NA	MM-01-SB-30	6/4/99	1140	Soil	30 - 32 ft.	X		X		X				Moe's Mountain waste pile.	Dark, greenish-gray, poorly sorted, sand and gravel at 30 to 31 feet bgs. Gray, dense siltstone at 31 to 32 feet bgs.
99234393	NA	NA	MM-02-SS-00	6/4/99	1515	Soil	0 - 2 ft.					X				Moe's Mountain waste pile.	Brown organic peat and woody debris.
99234394	NA	NA	MM-02-SB-04	6/4/99	1525	Soil	4 - 6 ft.					X			X	Moe's Mountain waste pile.	Brown organic peat and woody debris.
99234397	NA	NA	MM-02-SB-09	6/4/99	1600	Soil	9 - 11 ft.	X		X		X				Moe's Mountain waste pile.	Organic material and woody debris at 9 to 9.5 feet bgs. Dark greenish-gray clay at 9.5 to 10.5 feet bgs. PID reading at 440 ppm.
99234396	NA	NA	MM-02-SB-14	6/4/99	1550	Soil	14 - 16 ft.					X				Moe's Mountain waste pile.	Dry brown and gray clay.
99244477	MJAG42	JP227	MM-03-SS-00	6/7/99	1420	Soil	0 - 2 ft.	X	X	X	X	X	X			Moe's Mountain waste pile.	Brown topsoil mixed with wood chips.
99244478	NA	NA	MM-03-SB-04	6/7/99	1500	Soil	4 - 6 ft.					X				Moe's Mountain waste pile.	Brown topsoil and woody debris.
99244479	MJAG43	JP228	MM-03-SB-08	6/7/99	1615	Soil	8 - 10 ft.	X	X	X	X	X	X			Moe's Mountain waste pile.	Brown topsoil and woody debris.
99244480	NA	NA	MM-03-SB-12	6/7/99	1520	Soil	12 - 14 ft.					X				Moe's Mountain waste pile.	Brown topsoil and woody debris.
99244516	NA	NA	MM-03-SB-14	6/7/99	1540	Soil	14 - 16 ft.	X		X		X				Moe's Mountain waste pile.	Gray clay with some silt.
99244520	NA	NA	MM-04-SS-00	6/8/99	830	Soil	0 - 2 ft.					X				Moe's Mountain waste pile.	Brown topsoil and woody debris at 0 1.5 feet bgs. Brown clay at 1.5 to 1 foot 8 inches bgs.
99244600	NA	NA	MM-04-SB-04	6/8/99	1000	Soil	4 - 6 ft.	X		X		X				Moe's Mountain waste pile.	Woody debris with some topsoil.
99244601	NA	NA	MM-04-SB-08	6/8/99	855	Soil	8 - 10 ft.					X				Moe's Mountain waste pile.	Woody debris with some topsoil.
99244602	NA	NA	MM-04-SB-12	6/8/99	905	Soil	12 - 14 ft.	X		X		X				Moe's Mountain waste pile.	Woody debris with some topsoil and gravel.
99244603	NA	NA	MM-04-SB-16	6/8/99	915	Soil	16 - 18 ft.					X				Moe's Mountain waste pile.	Woody debris with some topsoil at 16 to 17 feet 8 inches bgs. Sawdust at 17 feet 8 inches to 18 feet bgs.
99244604	NA	NA	MM-04-SB-20	6/8/99	930	Soil	20 - 22 ft.					X				Moe's Mountain waste pile.	Woody debris with some topsoil at 20 to 21 feet 10 inches. Gray, very clean clay at 21 feet 10 inches to 22 feet bgs.
99244605	NA	NA	MM-04-SB-22	6/8/99	945	Soil	22 - 24 ft.					X				Moe's Mountain waste pile.	Gray clay with some sand.
99244450	NA	NA	SF-01-SS-00	6/5/99	900	Soil	0 - 2 ft.					X				Sheridan Forest Products.	Brown, dry wood fibers, sand and gravel.
99244451	NA	NA	SF-01-SB-04	6/5/99	1005	Soil	4 - 6 ft.	X		X		X				Sheridan Forest Products.	Damp, mottled gray and brown clay and sand.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99244452	NA	NA	SF-01-SB-08	6/5/99	930	Soil	8 - 10 ft.					X				Sheridan Forest Products.	Damp brown, very fine sand and silt.
99244453	NA	NA	SF-01-SB-12	6/5/99	955	Soil	12 - 14 ft.					X				Sheridan Forest Products.	Wet brown sand and gravel.
99244454	NA	NA	SF-02-SS-00	6/5/99	1105	Soil	0 - 2 ft.					X				Sheridan Forest Products.	Dry gray sand and gravel fill.
99244455	NA	NA	SF-02-SB-04	6/5/99	1115	Soil	4 - 6 ft.					X				Sheridan Forest Products.	Damp gray clay with some brown sand.
99244456	NA	NA	SF-02-SB-08	6/5/99	1125	Soil	8 - 10 ft.	X		X		X				Sheridan Forest Products.	Damp gray clay with some brown sand.
99244457	NA	NA	SF-02-SB-12	6/5/99	1140	Soil	12 - 14 ft.					X				Sheridan Forest Products.	Wet brown sand with some silt and clay.
99244458	NA	NA	SF-03-SS-00	6/5/99	1405	Soil	0 - 2 ft.					X				Sheridan Forest Products.	Dry gray gravel with some sand.
99244459	NA	NA	SF-03-SB-04	6/5/99	1415	Soil	4 - 6 ft.					X				Sheridan Forest Products.	Damp gray clay with some brown sand.
99244460	NA	NA	SF-03-SB-08	6/5/99	1425	Soil	8 - 10 ft.					X				Sheridan Forest Products.	Brown sand with some silt and clay.
99244461	NA	NA	SF-03-SB-12	6/5/99	1435	Soil	12 - 14 ft.	X		X		X				Sheridan Forest Products.	Gray and brown sand with silt and clay.
99244462	NA	NA	SF-04-SS-00	6/5/99	1510	Soil	0 - 2 ft.					X				Sheridan Forest Products.	Brown sand with some silt at 0 to 1 foot 10 inches bgs. Damp gray sand with some silt at 1 foot 10 inches to 2 feet bgs. Dry gray sand and gravel at 2 to 3 feet bgs.
99244463	NA	NA	SF-04-SB-04	6/5/99	1520	Soil	4 - 6 ft.	X		X		X				Sheridan Forest Products.	Damp gray and brown clay and sand.
99244464	NA	NA	SF-04-SB-08	6/5/99	1545	Soil	8 - 10 ft.					X				Sheridan Forest Products.	Moist brown sand with silt.
99244465	NA	NA	SF-04-SB-12	6/5/99	1555	Soil	12 - 14 ft.					X				Sheridan Forest Products.	Wet, brown, very fine to medium sand with some silt which is coarser toward the bottom of the interval.
99244469	NA	NA	SF-05-SS-00	6/7/99	920	Soil	0 - 2 ft.	X		X		X				Sheridan Forest Products.	Damp gray sand and gravel fill.
99244470	NA	JP226	SF-05-SB-04	6/7/99	945	Soil	4 - 6 ft.		X			X				Sheridan Forest Products.	Gray and brown sand, silt, clay, and fine gravel.
99244471	NA	NA	SF-05-SB-08	6/7/99	1005	Soil	8 - 10 ft.					X				Sheridan Forest Products.	Wet gray clay.
99244472	NA	NA	SF-05-SB-12	6/7/99	1035	Soil	12 - 14 ft.					X				Sheridan Forest Products.	Wet brown sand.
99244473	NA	NA	SF-06-SS-00	6/7/99	1105	Soil	0 - 2 ft.					X				Sheridan Forest Products.	Wood chips at 0 to 6 inches bgs. Dry gray gravel and sand at 6 inches to 2 feet bgs.
99244474	NA	NA	SF-06-SB-04	6/7/99	1115	Soil	4 - 6 ft.					X				Sheridan Forest Products.	Damp gray clay with some brown sand and fine gravel.
99244475	NA	NA	SF-06-SB-08	6/7/99	1135	Soil	8 - 10 ft.	X		X		X				Sheridan Forest Products.	Brown very fine sand with some clay and a trace of fine gravel.
99244476	NA	NA	SF-06-SB-12	6/7/99	1145	Soil	12 - 14 ft.					X				Sheridan Forest Products.	Brown very fine sand with some clay at 12 to 12.5 feet bgs. Gray gravel at 12.5 to 12 feet 8 inches bgs. Wet gray sand at 12 feet 8 inches to 13 feet bgs.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99244481	NA	NA	SM-01-SS-00	6/5/99	920	Soil	0 - 2 ft.					X				Sawmill Facility Area.	Dry tan sand and gravel fill at 0 to 1.5 feet bgs. Very dark, greenish gray, dry, low plasticity clay at 1.5 to 2 feet bgs.
99244482	NA	NA	SM-01-SB-04	6/5/99	925	Soil	4 - 6 ft.					X				Sawmill Facility Area.	Lighter gray, dry, low plasticity clay.
99244483	NA	NA	SM-01-SB-08	6/5/99	930	Soil	8 - 10 ft.	X		X		X				Sawmill Facility Area.	Moist, well sorted, brown, sandy silt.
99244484	NA	NA	SM-01-SB-12	6/5/99	940	Soil	12 - 14 ft.					X				Sawmill Facility Area.	Wet, poorly sorted, greenish-gray, silty sand with trace gravel.
99244485	NA	NA	SM-02-SS-00	6/5/99	1010	Soil	0 - 2 ft.					X			X	Sawmill Facility Area.	Dark brown to black sand and gravel fill (up to 1.5 inches diameter) with a 2 inch lens of green-stained material.
99244486	NA	NA	SM-02-SB-04	6/5/99	1015	Soil	4 - 6 ft.					X				Sawmill Facility Area.	Wet dark, greenish-gray gravelly clay.
99244487	NA	NA	SM-02-SB-08	6/5/99	1030	Soil	8 - 10 ft.					X				Sawmill Facility Area.	Brown and gray, plastic, sticky clay.
99244488	NA	NA	SM-02-SB-12	6/5/99	1035	Soil	12 - 14 ft.	X		X		X				Sawmill Facility Area.	Brown fine wet sand with a trace of clay, and a lens of dry, gray gravel.
99244489	NA	NA	SM-03-SS-00	6/5/99	1100	Soil	0 - 2 ft.					X				Sawmill Facility Area.	Dry brown sand and gravel fill.
99244490	NA	NA	SM-03-SB-04	6/5/99	1110	Soil	4 - 6 ft.					X				Sawmill Facility Area.	Gray, dense, sticky clay.
99244491	NA	NA	SM-03-SB-08	6/5/99	1130	Soil	8 - 10 ft.	X		X		X				Sawmill Facility Area.	Brown and gray, sandy clay.
99244492	NA	NA	SM-03-SB-12	6/5/99	1145	Soil	12 - 14 ft.					X				Sawmill Facility Area.	Wet, brown, very fine, well sorted silty sand.
99244507	NA	NA	SM-04-SS-00	6/7/99	1440	Soil	0 - 2 ft.					X				Sawmill Facility Area.	Light gray dry fine sand at 0 to 6 inches bgs. Dark, greenish gray, dry clay at 6 inches to 1 feet bgs.
99244508	NA	NA	SM-04-SB-04	6/7/99	1500	Soil	4 - 6 ft.					X				Sawmill Facility Area.	Dark, greenish gray-brown, plastic clay.
99244509	NA	NA	SM-04-SB-08	6/7/99	1510	Soil	8 - 10 ft.					X				Sawmill Facility Area.	Brown and gray clay.
99244510	NA	NA	SM-04-SB-12	6/7/99	1515	Soil	12 - 14 ft.	X		X		X				Sawmill Facility Area.	Wet brown silty sand and gravel.
99244498	MJAG08	JP393	SM-05-SS-00	6/7/99	925	Soil	0 - 2 ft.	X	X	X	X	X	X			Sawmill Facility Area.	Oily black peat and organic material and gravel.
99244499	NA	NA	SM-05-SB-04	6/7/99	950	Soil	4 - 6 ft.					X			X	Sawmill Facility Area.	Dark, greenish gray, plastic clay.
99244500	NA	NA	SM-05-SB-08	6/7/99	1010	Soil	8 - 10 ft.					X				Sawmill Facility Area.	Brown and gray, plastic clay.
99244501	NA	NA	SM-05-SB-12	6/7/99	1015	Soil	12 - 14 ft.					X				Sawmill Facility Area.	Wet brown silty sand and gravel.
99244502	NA	NA	SM-06-SS-00	6/7/99	1105	Soil	0 - 2 ft.					X				Sawmill Facility Area.	Dry gray sand and gravel fill.
99244503	NA	NA	SM-06-SB-04	6/7/99	1115	Soil	4 - 6 ft.					X				Sawmill Facility Area.	Gray plastic clay.
99244504	NA	NA	SM-06-SB-08	6/7/99	1125	Soil	8 - 10 ft.					X				Sawmill Facility Area.	Brown-gray sandy clay.
99244505	NA	NA	SM-06-SB-12	6/7/99	1135	Soil	12 - 14 ft.	X		X		X				Sawmill Facility Area.	Wet, brown silty sand and gravel.
99244493	NA	NA	SM-07-SS-00	6/5/99	1440	Soil	0 - 2 ft.					X			X	Sawmill Facility Area.	Brown sand and gravel fill at 0 to 1.5 feet bgs. Green sand and gravel fill up to 1 inches diameter at 1.5 to 2 feet bgs.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99234399	NA	JP392	SM-07-SB-04	6/5/99	1450	Soil	4 - 6 ft.	X	X	X		X				Sawmill Facility Area.	Gray clay.
99244495	NA	NA	SM-07-SB-08	6/5/99	1510	Soil	8 - 10 ft.					X				Sawmill Facility Area.	Brown and gray clay.
99244496	NA	NA	SM-07-SB-12	6/5/99	1530	Soil	12 - 14 ft.					X				Sawmill Facility Area.	Brown medium to compact, poorly sorted sand.
99244685	NA	NA	SM-08-SS-00	6/10/99	1655	Soil	0 - 2 ft.					X			X	Sawmill Facility Area.	Greenish black sand and gravel fill and treated wood debris with pebbles 2 inches in diameter.
99244686	NA	NA	SM-08-SB-04	6/10/99	1705	Soil	4 - 6 ft.					X			X	Sawmill Facility Area.	Gray clay.
99244687	NA	NA	SM-08-SB-08	6/10/99	1710	Soil	8 - 10 ft.					X				Sawmill Facility Area.	Brown, gray, and black mottled clay grading to sandy clay.
99244688	NA	NA	SM-08-SB-12	6/10/99	1720	Soil	12 - 14 ft.	X		X		X				Sawmill Facility Area.	Brown and gray, dry clay.
99244606	NA	NA	SM-09-SS-00	6/8/99	1040	Soil	0 - 2 ft.					X				Sawmill Facility Area.	Gray gravel fill with some sand.
99244607	NA	NA	SM-09-SB-04	6/8/99	1055	Soil	4 - 6 ft.					X			X	Sawmill Facility Area.	Gray clay with some sand and silt.
99244608	NA	NA	SM-09-SB-08	6/8/99	1120	Soil	8 - 10 ft.	X		X		X				Sawmill Facility Area.	Brown sand with some silt, clay, and gravel.
99244609	NA	NA	SM-09-SB-12	6/8/99	1130	Soil	12 - 14 ft.					X				Sawmill Facility Area.	Wet brown sand and gravel.
99244511	NA	NA	SM-10-SS-00	6/7/99	1600	Soil	0 - 2 ft.	X		X		X				Sawmill Facility Area.	Brown sand and gravel fill at 0 to 6 inches bgs. Dark greenish gray sand and gravel at 6 inches to 1.5 feet bgs.
99244512	NA	NA	SM-10-SB-04	6/7/99	1605	Soil	4 - 6 ft.	X		X		X				Sawmill Facility Area.	Dark, grayish green rocks and black organic material.
99244513	NA	NA	SM-10-SB-08	6/7/99	1615	Soil	8 - 10 ft.					X				Sawmill Facility Area.	Dry brown and gray clay at 8 to 9 feet bgs. Gray clay with lens of organic woody debris at 9 to 9.5 feet bgs.
99244514	NA	NA	SM-10-SB-12	6/7/99	1625	Soil	12 - 14 ft.					X				Sawmill Facility Area.	Brown and gray, slight plastic clay.
Residential Soil Samples																	
99214215	MJR309	JP132	SO-01-SS	5/22/99	1510	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/4 miles west of site. Collected at the roof drip line.	Light brown clay with some gravel and pebbles.
99214216	MJR310	JP133	SO-02-SS	5/22/99	1610	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/4 miles east of site. Collected at the roof drip line.	Light brown clay with some gravel and pebbles.
99224202	MJAG81	JP252	SO-03-SS	5/24/99	1030	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/4 miles east of site. Collected at the roof drip line at the northwest corner of the house.	Dark brown gravel.
99224208	MJQ617	JP258	SO-04-SS	5/25/99	920	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/4 miles east of site. Collected at the roof drip line at the southeast corner of the house.	Dark brown heavy clay.
99224203	MJAG82	JP253	SO-05-SS	5/24/99	1120	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/4 miles east of site. Collected at the gutter downspout on the south side of the house.	Dark brown/black loamy soil.
99224207	MJQ616	JP257	SO-06-SS	5/25/99	825	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/2 to 1 miles north of site. Collected at the gutter downspout on the south side of the house.	Mixture of dark brown clay and bark.

Key is presented at the end of the table.

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TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99224204	MJAG83	JP254	SO-07-SS	5/24/99	1330	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/2 to 1 miles east of site. Collected at the roof drip line on the south side of the house.	Brown clay with pebbles.
99224212	MJQ621	JP262	SO-08-SS	5/25/99	1645	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/2 to 1 miles east of site. Collected at the gutter downspout on the southwest corner of the house. Residence next to railroad.	Dark brown loamy clay.
99224213	MJQ622	JP263	SO-09-SS	5/25/99	1700	Soil	0 - 2 ft.	X	X	X	X		X			Same residence as sample SO-08-SS. Collected next to railroad tracks. Owner recently used herbicides.	Moist dark brown organic soil.
99224209	MJQ618	JP259	SO-10-SS	5/25/99	1005	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/2 to 1 miles west of site. Collected in the overland surface water pathway from railroad tracks. Residence between railroad and Highway 18.	Brown loamy clay.
99224206	MJAG85	JP256	SO-11-SS	5/24/99	1505	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/4 to 1/2 miles southwest of site. Collected at roof drip line on north side of porch. Residence south of the South Yamhill River.	Dark brown soil with some clay.
99224210	MJQ619	JP260	SO-12-SS	5/25/99	1125	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 3 to 4 miles northwest of site. Collected at gutter downspout on south side of the house. Residence north of Willamina.	Brown very fine, dry, silty clay.
99224205	MJAG84	JP255	SO-13-SS	5/24/99	1425	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 2 to 3 miles east of site. Collected at gutter downspout next to front door. Residence east of downtown Sheridan.	Brown clayey silt.
99224201	MJAG80	JP251	SO-14-SS	5/24/99	920	Soil	0 - 2 ft.	X	X	X	X		X			Residence within 1/4 miles north of site. Collected at the roof drip line on the south side of the house.	Dark brown gravel.
Background Soil Samples																	
99214150	MJAF90	JP553	WP-07-SS-00	5/21/99	900	Soil	0 - 2 ft.	X	X	X	X	X	X			White Pole Storage Area.	Gray to brown sand and gravel. Background location for surface gravel fill.
99244621	MJAG44	JP235	BG-02-SS-00	6/9/99	930	Soil	0 - 2 ft.	X	X	X	X		X			Background borehole north of Ash Pile in field.	Brown to gray clay with trace silt and sand.
99244622	MJAG45	JP236	BG-02-SB-02	6/9/99	1000	Soil	2 - 4 ft.	X	X	X	X		X			Background borehole north of Ash Pile in field.	Damp gray clay with a trace of fine sand.
99244623	MJAG46	JP237	BG-02-SB-04	6/9/99	1040	Soil	4 - 6 ft.	X	X	X	X		X			Background borehole north of Ash Pile in field.	Brown silt and clay.
99244624	MJAG47	JP238	BG-02-SB-06	6/9/99	1115	Soil	6 - 8 ft.	X	X	X	X		X			Background borehole north of Ash Pile in field.	Brown silt and fine sand.

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EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99244625	MJAG48	JP239	BG-02-SB-08	6/9/99	1145	Soil	8 - 10 ft.	X	X	X	X		X			Background borehole north of Ash Pile in field.	Brown sand and silt with some gravel.
99244626	MJAG49	JP240	BG-02-SB-10	6/9/99	1315	Soil	10 - 12 ft.	X	X	X	X		X			Background borehole north of Ash Pile in field.	Brown clay at 10 feet to 10 feet 4 inches. Gravel and sand at 10 feet 4 inches to 11 feet bgs. Sand at 11 to 12 feet bgs.
99244627	MJAG50	JP241	BG-02-SB-12	6/9/99	1445	Soil	12 - 14 ft.	X	X	X	X		X			Background borehole north of Ash Pile in field.	Wet brown sand and gravel.
99244628	MJAG51	JP242	BG-02-SB-14	6/9/99	1600	Soil	14 - 16 ft.	X	X	X	X		X			Background borehole north of Ash Pile in field.	Wet brown sand and gravel.
99244629	MJAG52	JP243	BG-02-SB-16	6/9/99	1655	Soil	16 - 18 ft.	X	X	X	X		X			Background borehole north of Ash Pile in field.	Wet brown sand and gravel.
99244631	MJAG54	JP245	BG-02-SB-18	6/9/99	1800	Soil	18 - 20 ft.	X	X	X	X		X			Background borehole north of Ash Pile in field.	Gray siltstone.
Onsite Surface Impoundment Surface Water and Sediment Samples																	
99234313	MJAG38	JP211	FP-01-SW	6/3/99	1610	Surface water		X	X	X	X		X			Surface water sample collected from the fire protection surface impoundment.	Clear.
99234437	MJQ721	JP290	MD-01-SD	6/5/99	1025	Sediment		X	X	X	X		X	X		Middle Ditch in TP area. Oil/water separator surface water impoundment nearest outfall.	Oily, silty muck with organic matter.
99234436	MJQ720	JP289	MD-01-SW	6/5/99	1020	Surface water		X	X	X	X		X			Collocated with MD-01-SD.	Oily and turbid.
99234439	MJQ723	JP292	MD-02-SD	6/5/99	1120	Sediment		X	X	X	X		X	X		Middle Ditch in TP area. Oil/water separator surface water impoundment.	Mucky, oily silt.
99234438	MJQ722	JP291	MD-02-SW	6/5/99	1115	Surface water		X	X	X	X		X			Collocated with MD-02-SD.	Oily and turbid.
99234440	MJQ724	JP293	MD-03-SD	6/5/99	1350	Sediment		X	X	X	X		X	X		Middle Ditch in TP area. Oil/water separator surface water impoundment.	Dark black, silty clay.
Stormwater Ditch Surface Water and Sediment Samples																	
99244521	MJQ728	JP297	CD-01-SD	6/7/99	915	Sediment		X	X	X	X			X		Center Ditch in the WP area near peeler.	Gray, mucky silt.
99244522	MJQ729	JP298	CD-02-SD	6/7/99	945	Sediment		X	X	X	X			X		Center Ditch in the WP area at most upstream location.	Brown, fine to medium sand.
99234421	MJQ705	JP274	ED-01-SD	6/3/99	1205	Sediment		X	X	X	X			X		East Ditch. Along eastern boundary of Moe's Mountain waste pile (MM) near potential confluence with the South Yamhill River.	Brown, moist, loamy soil.
99244536	MJAG87	JP453	ED-02-SD	6/8/99	1020	Sediment		X	X	X	X			X		East Ditch. Along eastern property boundary of MM at corner of Chip Mill Road and Highway 18.	Wet, brown silt and organic material.
99244537	MJAG88	JP454	ED-03-SD	6/8/99	1055	Sediment		X	X	X	X		X	X		East Ditch. Along eastern property boundary of MM.	Dark brown loam with wood chips.
99244541	MJQ802	JP348	ED-04-SD	6/8/99	1545	Sediment		X	X	X	X			X		East Ditch. Along eastern property boundary of MM.	Black loamy clay.

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TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99244546	MJQ807	JP353	EPD-01-SD	6/9/99	920	Sediment		X	X	X	X		X	X		End Painting Facility Ditch. Along western side of End Painting facility.	Brown, oily loam with organic matter.
99244548	MJQ784	JP354	EPD-02-SD	6/9/99	1040	Sediment		X	X	X	X			X		End Painting Facility Ditch. Along western side of End Painting facility at most upstream location.	Black, oily loam with leaf litter.
99244549	MJQ785	JP355	EPD-03-SD	6/9/99	1125	Sediment		X	X	X	X			X		End Painting Facility Ditch at intersection of Rock Creek Road and	Brown, silty loam.
99244750	MJQ786	JP356	EPD-04-SD	6/9/99	1400	Sediment		X	X	X	X	X		X		End Painting Facility Ditch south of EP Facility.	Oily, black organic muck.
99234418	MJQ725	JP294	MD-04-SD	6/5/99	1435	Sediment		X	X	X	X		X	X		Middle Ditch west of drip pads.	Oily, mucky silt.
99234419	MJQ726	JP295	MD-05-SD	6/5/99	1510	Sediment		X	X	X	X			X		Middle Ditch in PS area at most upstream location.	Brown, dry clay and silt.
99244544	MJQ805	JP351	MSD-01-SD	6/9/99	825	Sediment		X	X	X	X			X		Sawmill Maintenance Shop Ditch south of shop.	Brown, moist clay.
99244545	MJQ806	JP352	MSD-02-SD	6/9/99	845	Sediment		X	X	X	X			X		Sawmill Maintenance Shop Ditch adjacent to Rock Creek Road.	Brown, heavy clay.
99234415	MJQ781	JP345	ND-01-SD	6/5/99	1355	Sediment		X	X	X	X			X		North Ditch along northern boundary of TS facility.	Sample location has small woody debris with asphalt and gravel. There is no standing water at this location. Brown clay and silt with organic matter and roots. No sheen or odor.
99234416	MJQ782	JP346	ND-02-SD	6/5/99	1445	Sediment		X	X	X	X			X		North Ditch along northern boundary of TS facility. Background sample location.	no sheen is observed and no odor is detected, brown and reddish color, coarse silt with organic content(roots)
99234417	MJQ783	JP347	ND-03-SD	6/5/99	1600	Sediment		X	X	X	X			X		North Ditch along northern boundary of TS facility.	Ditch is covered with grass with no standing water. No sheen or odor. Red, gray, and brown silty clay with little to no organic material.
99244525	MJQ732	JP301	NRD-01-SD	6/7/99	1150	Sediment		X	X	X	X			X		North Railroad Ditch along southern boundary of TS facility at outfall.	Gray, mucky clay.
99244526	MJQ733	JP302	NRD-02-SD	6/7/99	1335	Sediment		X	X	X	X			X		North Railroad Ditch along southern boundary of TS facility at parking lot storm drain outfall.	Gray, mucky clay with oily sheen.
99244527	MJQ734	JP303	NRD-03-SD	6/7/99	1410	Sediment		X	X	X	X			X		North Railroad Ditch west of TS facility.	Brown, dry, silty clay.
99244528	MJQ735	JP304	NRD-04-SD	6/7/99	1445	Sediment		X	X	X	X			X		North Railroad Ditch west of TS facility near main access road.	Dry, brown loam.
99234420	MJQ727	JP296	PAD-01-SD	6/5/99	1545	Sediment		X	X	X	X		X	X		Ponded area west of drip pads in the PS area.	Oily, mucky, brown silt.
99244751	MJQ787	JP357	PPD-01-SD	6/9/99	1430	Sediment		X	X	X	X			X		Power Plant Ditch south of hog fuel boiler.	Black, oily silt with cobbles.

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TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

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EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99234402	MJQ768	JP332	RCD-01-SD	6/3/99	1600	Sediment		X	X	X	X		X	X		Rock Creek Ditch immediately upstream of confluence with the Yamhill River.	Dark brown clay, silt and gravel. Slight odor.
99234401	MJQ767	JP331	RCD-01-SW	6/3/99	1550	Surface water		X	X	X	X		X			Collocated with RCD-01-SD.	Slightly turbid water.
99244547	NA	NA	RCD-02A-SD	6/9/99	1015	Sediment						X				Rock Creek Ditch. Field screening sample collocated with RCD-02-SD.	Brown, silty clay.
99234404	MJQ770	JP334	RCD-02-SD	6/4/99	845	Sediment		X	X	X	X		X	X		Rock Creek Ditch. Collected at the main outfall of Middle Ditch.	Dark brown to very dark brown organic rich silt with some sand and gravel.
99234403	MJQ769	JP333	RCD-02-SW	6/4/99	830	Surface water		X	X	X	X		X			Collocated with RCD-02-SD.	Slightly turbid water.
99234405	MJQ771	JP335	RCD-03-SD	6/4/99	1010	Sediment		X	X	X	X			X		Rock Creek Ditch near main gate and an outfall.	Dark brown to very dark brown organic rich silt with some sand and gravel. Oily.
99234406	MJQ772	JP336	RCD-04-SD	6/4/99	1030	Sediment		X	X	X	X			X		Rock Creek Ditch near main gate and an outfall.	Dark brown to very dark brown organic rich silt with some sand and gravel. Oily.
99234407	MJQ773	JP337	RCD-05-SD	6/4/99	1130	Sediment		X	X	X	X			X		Rock Creek Ditch at the outfall on the other side of the fence from MW-6S/D.	Dark brown with a slight olive hue, organic rich silt with gravel.
99234408	MJQ774	JP338	RCD-06-SD	6/4/99	1325	Sediment		X	X	X	X			X		Rock Creek Ditch.	Dark brown with a slight olive hue gravel with silt.
99234409	MJQ775	JP339	RCD-07-SD	6/4/99	1410	Sediment		X	X	X	X			X	X	Rock Creek Ditch.	Dark brown with a slight olive hue gravel with silt.
99234410	MJQ776	JP340	RCD-08-SD	6/4/99	1525	Sediment		X	X	X	X			X		Rock Creek Ditch.	Silty clay with organic matter present and some roots.
99234411	MJQ777	JP341	RCD-09-SD	6/4/99	1550	Sediment		X	X	X	X			X		Rock Creek Ditch immediately south of railroad tracks at TS outfall.	Brown, silty clay with some roots and organic matter. The water in the ditch has an oily sheen in patches.
99234412	MJQ778	JP342	RCD-10-SD	6/5/99	855	Sediment		X	X	X	X			X		Rock Creek Ditch immediately north of railroad tracks.	Brown, gray clay and silt material with moderate organic material. Oily sheen.
99234413	MJQ779	JP343	RCD-11-SD	6/5/99	1000	Sediment		X	X	X	X			X		Rock Creek Ditch north of TS facility.	The ditch is very overgrown with various plants which were pulled out to begin taking sediment sample. No water was present in the ditch.
99234414	MJQ780	JP344	RCD-12-SD	6/5/99	1115	Sediment		X	X	X	X		X	X		Rock Creek Ditch. Background location.	Sample location is overgrown with various plants with less than 1 inch of water in the ditch. Brown, gray silty, clay mud.
99234285	MJQ645	JP376	SD-01-SD	6/1/99	1605	Sediment		X	X	X	X		X	X		Sheridan forest Products Ditch immediately upstream of the confluence with the South Yamhill River.	Cobbly brown medium sand.
99234284	MJQ644	JP375	SD-01-SW	6/1/99	1555	Surface water		X	X	X	X		X			Collocated with SD-11-SD.	Murky brown and foamy.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99234286	MJQ646	JP377	SD-02-SD	6/2/99	920	Sediment		X	X	X	X		X	X		Sheridan Forest Products Ditch at intersection with east-west ditch along railroad. TLT NPDES sampling location.	Black mucky clay with organic content.
99234287	MJQ647	JP378	SD-03-SD	6/2/99	1000	Sediment		X	X	X	X			X		Sheridan Forest Products Ditch.	Black mucky clay with organic content.
99234288	MJQ648	JP379	SD-03-SW	6/2/99	950	Surface water		X	X	X	X					Collocated with SD-02-SD	Discolored with some particulates.
99244540	MJAG91	JP457	SD-04-SD	6/8/99	1445	Sediment		X	X	X	X		X	X		Sheridan Forest Products Ditch background location north of Sawmill log yard.	Brown, moist, silty clay.
99244538	MJAG89	JP455	SMD-01-SD	6/8/99	1345	Sediment		X	X	X	X			X		Sawmill Ditch between the Sawmill and EP facilities at southwest corner of Sheridan Forest Products.	Dark gray, heavy, wet clay.
99244539	MJAG90	JP456	SMD-02-SD	6/8/99	1415	Sediment		X	X	X	X			X		Sawmill Ditch between the Sawmill and EP facilities at southeast corner of Sawmill.	Gray, mucky clay.
99244542	MJQ803	JP349	SMD-03-SD	6/8/99	1615	Sediment		X	X	X	X			X		Sawmill Ditch between the Sawmill and EP facilities east of Sawmill.	Black organic muck with wood.
99244543	MJQ804	JP350	SMD-04-SD	6/8/99	1655	Sediment		X		X				X		Sawmill Ditch between the Sawmill and EP facilities north of Planing mill.	Black mucky, oily clay.
99244529	MJQ736	JP446	SRD-01-SD	6/7/99	1535	Sediment		X	X	X	X			X		South Railroad Ditch in northeast corner of PS area.	Brown, mucky clay.
99244530	MJQ737	JP447	SRD-02-SD	6/7/99	1605	Sediment		X	X	X	X			X		South Railroad Ditch along northern boundary of PS area near railroad spur.	Brown, silty loam.
99244531	MJQ738	JP448	SRD-03-SD	6/7/99	1630	Sediment		X	X	X	X			X		South Railroad Ditch along northern boundary of PS area.	Dark brown clayey loam.
99244532	MJQ739	JP449	SRD-04-SD	6/8/99	800	Sediment		X	X	X	X			X		South Railroad Ditch along northern boundary of WP area near main access road.	Brown, silty clay.
99244533	MJQ740	JP450	SRD-05-SD	6/8/99	825	Sediment		X	X	X	X			X		South Railroad Ditch along northern boundary of WP area near Ash Pile.	Brown, silty clay.
99244534	MJQ741	JP451	SRD-06-SD	6/8/99	910	Sediment		X	X	X	X			X		South Railroad Ditch along northern boundary of Ash Pile.	Brown, silty clay.
99244535	MJAG86	JP452	SRD-07-SD	6/8/99	925	Sediment		X	X	X	X			X		South Railroad Ditch at northwest corner of Ash Pile.	Brown, silty clay.
99234432	MJQ716	JP285	VHD-01-SD	6/4/99	1330	Sediment		X	X	X	X			X		Valley Highway Ditch. Along southern boundary of the TP facility.	Black, fine silt with organic odor.
99234433	MJQ717	JP286	VHD-02-SD	6/4/99	1355	Sediment		X	X	X	X			X		Valley Highway Ditch. Along southern boundary of the TP facility adjacent to peeler.	Brown, moist clay and silt.
99234434	MJQ718	JP287	VHD-03-SD	6/5/99	855	Sediment		X	X	X	X			X		Valley Highway Ditch. Along southern boundary of the WP at stormwater outfall.	Brown, mucky silt with organic matter. Oily.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99234435	MJQ719	JP288	VHD-04-SD	6/5/99	920	Sediment		X	X	X	X			X		Valley Highway Ditch. Along southern boundary of the WP at stormwater outfall.	Dry, brown clay and silt.
99244523	MJQ730	JP299	WD-01-SD	6/7/99	1045	Sediment		X	X	X	X			X		West Ditch in the WP Area near southern boundary.	Dark brown clay.
99244524	MJQ731	JP300	WD-02-SD	6/7/99	1110	Sediment		X	X	X	X			X		West Ditch in the WP Area at most upstream location near Ash Pile.	Brown, dry, clayey loam.
99244752	MJQ788	JP247	WL-01-SD	6/10/99	1200	Sediment		X	X	X	X		X			Wetlands located on southwest side of MM waste pile.	Wet, brown, mucky clay with organic matter.
Rock Creek and Yamhill River Surface Water and Sediment Samples																	
99234426	MJQ710	JP279	RC-01-SD	6/3/99	1610	Sediment		X	X	X	X			X		Rock Creek at the confluence with the Yamhill River.	Black organic muck with fine sand and pebbles.
99234425	MJQ709	JP278	RC-01-SW	6/3/99	1600	Surface water		X	X	X	X					Collocated with RC-01-SD.	Slightly turbid.
99234429	MJQ713	JP282	RC-02-SD	6/4/99	1025	Sediment		X	X	X	X			X		Rock Creek downstream of railroad trestle west of Ash Pile.	Brown, fine sand.
99234431	MJQ715	JP284	RC-03-SD	6/4/99	1050	Sediment		X	X	X	X		X	X		Rock Creek upstream location approximately 70 yards from railroad trestle.	Brown, fine sand.
99234430	MJQ714	JP283	RC-03-SW	6/4/99	1045	Surface water		X	X	X	X		X			Collocated with RC-03-SD.	Turbid.
99224219	MJQ628	JP269	YR-01-SD	5/26/99	1435	Sediment		X	X	X	X		X	X		South Yamhill River 100 yard downstream of Sheridan's municipal drinking water intake.	Brown, moist, silty clay.
99224221	MJQ630	JP271	YR-02-SD	5/27/99	934	Sediment		X	X	X	X		X	X		South Yamhill River at the municipal drinking water intake.	Wet brown medium-grained sand.
99224220	MJQ629	JP270	YR-02-SW	5/27/99	850	Surface water	0 - 2 ft.	X	X	X	X		X			Collocated with YR-02-SD.	Clear.
99224222	MJQ631	JP362	YR-03-SD	5/27/99	1408	Sediment		X	X	X	X			X		South Yamhill River 50 yards downstream of the confluence with an unnamed creek/stormwater outfall and 1/2 mile upstream of municipal intake.	Wet brown fine sand.
99224224	MJQ633	JP364	YR-04-SD	5/27/99	1435	Sediment		X	X	X	X			X		South Yamhill River at the confluence with an unnamed creek/stormwater outfall and 1/2 mile upstream of municipal intake.	Wet brown fine sand.
99224223	MJQ632	JP363	YR-04-SW	5/27/99	1425	Surface water		X	X	X	X					Collocated with YR-04-SD.	Clear with no turbidity.
99224226	MJQ635	JP366	YR-05-SD	5/27/99	1458	Sediment		X	X	X	X			X		Unnamed creek/stormwater outfall immediately upstream of the confluence with the South Yamhill River.	Wet brown coarse gravel and clay.
99224225	MJQ634	JP365	YR-05-SW	5/27/99	1450	Surface water		X	X	X	X					Collocated with YR-05-SD.	Clear and slightly turbid.
99224227	MJQ636	JP367	YR-06-SD	5/27/99	1530	Sediment		X	X	X	X		X	X		Unnamed creek/stormwater outfall upstream of Highway 18 crossing.	Wet brown coarse gravel and clay.
99224229	MJQ638	JP369	YR-07-SD	5/28/99	912	Sediment		X	X	X	X		X	X		South Yamhill River downstream of railroad trestle on south side of river.	Wet brown medium-grained sand.
99224228	MJQ637	JP368	YR-07-SW	5/28/99	903	Surface water		X	X	X	X					Collocated with YR-07-SD.	Clear and slightly turbid.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99224562	MJQ640	JP371	YR-08-SD	5/28/99	1010	Sediment		X	X	X	X		X	X		South Yamhill River downstream of railroad trestle on north side of river.	Wet brown medium sand.
99224561	MJQ639	JP370	YR-08-SW	5/28/99	1000	Surface water		X	X	X	X		X			Collocated with YR-08-SD.	Clear and slightly turbid water.
99234281	MJQ641	JP372	YR-09-SD	6/1/99	1510	Sediment		X	X	X	X			X		South Yamhill River 75 feet downstream of the confluence with the Sheridan Forest Products Ditch outfall.	Wet brown fine silty sand.
99234283	MJQ643	JP374	YR-10-SD	6/1/99	1540	Sediment		X	X	X	X		X	X		South Yamhill River at the confluence with the Sheridan Forest Products Ditch outfall.	Wet brown fine silty sand.
99234282	MJQ642	JP373	YR-10-SW	6/1/99	1533	Surface water		X	X	X	X		X			Collocated with YR-10-SD.	Slightly turbid.
99234299	MJQ704	JP273	YR-12-SD	6/3/99	1140	Sediment		X	X	X	X		X	X		South Yamhill River downstream of the potential confluence with the Chip Mill Road ditch (East Ditch) outfall.	Brown sand with cobbles.
99234298	MJQ703	JP272	YR-12-SW	6/3/99	1130	Surface water		X	X	X	X		X			Collocated with YR-12-SD.	Clear.
99234278	MJQ764	JP328	YR-13-SD	6/3/99	1500	Sediment		X	X	X	X			X		South Yamhill River 60 feet downstream of Rock Creek Road Ditch	Wet brown fine silty sand.
99234280	MJQ766	JP330	YR-14-SD	6/3/99	1530	Sediment		X	X	X	X		X	X		South Yamhill River at the confluence of Rock Creek Road Ditch outfall.	Wet brown fine silty sand. Odor.
99234279	MJQ765	JP329	YR-14-SW	6/3/99	1510	Surface water		X	X	X	X		X			Collocated with YR-14-SD.	Slightly turbid.
99234422	MJQ706	JP275	YR-15-SD	6/3/99	1510	Sediment		X	X	X	X			X		South Yamhill River 60 feet downstream of Rock Creek confluence.	Brown, fine sand and silt.
99234424	MJQ708	JP277	YR-16-SD	6/3/99	1545	Sediment		X	X	X	X			X		South Yamhill River at the confluence of Rock Creek.	Brown fine to medium sand.
99234423	MJQ707	JP276	YR-16-SW	6/3/99	1538	Surface water		X	X	X	X					Collocated with YR-16-SD.	Slightly turbid.
99234428	MJQ712	JP281	YR-17-SD	6/4/99	905	Sediment		X	X	X	X		X	X		Yamhill River upstream location 1/2 mile upstream of site.	Brown, fine sand.
99234427	MJQ711	JP280	YR-17-SW	6/4/99	855	Surface water		X	X	X	X		X			Collocated with YR-17-SD.	Clear.
Air Samples																	
99080200	NA	NA	P1082299	8/22-23/1999	745	Air				X						Rock Creek Road residence east of retorts on Day 1.	
99080201	NA	NA	P2082299	8/22-23/1999	640	Air				X						Northeast corner of PS Area on Day 1.	
99080202	NA	NA	P3082299	8/22-23/1999	715	Air				X						Southeast corner of TP facility on Day 1.	
99080203	NA	NA	P4082299	8/22-23/1999	800	Air				X						Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 1.	
99080204	NA	NA	P5082299	8/22-23/1999	854	Air				X						Residence west of WP Area on Day 1.	
99080205	NA	NA	P6082299	8/22-23/1999	845	Air				X						Residence 1/2 mile west of PS Area next to State Highway 18 on Day 1.	

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99080206	NA	NA	P7082299	8/22-23/1999	915	Air				X						Remote background location approximately 3/4 miles northwest of site on Day 1.	
99080210	NA	NA	H1082299	8/22-23/1999	745	Air		X								Rock Creek Road residence east of retorts on Day 1.	
99080211	NA	NA	H2082299	8/22-23/1999	640	Air		X								Northeast corner of PS Area on Day 1.	
99080212	NA	NA	H3082299	8/22-23/1999	715	Air		X								Southeast corner of TP facility on Day 1.	
99080213	NA	NA	H4082299	8/22-23/1999	800	Air		X								Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 1.	
99080214	NA	NA	H5082299	8/22-23/1999	854	Air		X								Residence west of WP Area on Day 1.	
99080215	NA	NA	H6082299	8/22-23/1999	845	Air		X								Residence 1/2 mile west of PS Area next to State Highway 18 on Day 1.	
99080216	NA	NA	H7082299	8/22-23/1999	915	Air		X								Remote background location approximately 3/4 miles northwest of site on Day 1.	
99080220	NA	NA	P1082399	8/23-24/1999	725	Air				X						Rock Creek Road residence east of retorts on Day 2.	
99080221	NA	NA	P2082399	8/23-24/1999	700	Air				X						Northeast corner of PS Area on Day 2.	
99080222	NA	NA	P3082399	8/23-24/1999	715	Air				X						Southeast corner of TP facility on Day 2.	
99080223	NA	NA	P4082399	8/23-24/1999	743	Air				X						Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 2.	
99080224	NA	NA	P5082399	8/23-24/1999	825	Air				X						Residence west of WP Area on Day 2.	
99080225	NA	NA	P6082399	8/23-24/1999	803	Air				X						Residence 1/2 mile west of PS Area next to State Highway 18 on Day 2.	
99080226	NA	NA	P7082399	8/23-24/1999	905	Air				X						Remote background location approximately 3/4 miles northwest of site on Day 2.	Farm equipment nearby generating dust.
99080228	NA	NA	H1082399	8/23-24/1999	730	Air		X								Rock Creek Road residence east of retorts on Day 2.	
99080229	NA	NA	H2082399	8/23-24/1999	640	Air		X								Northeast corner of PS Area on Day 2.	
99080230	NA	NA	H3082399	8/23-24/1999	705	Air		X								Southeast corner of TP facility on Day 2.	
99080231	NA	NA	H4082399	8/23-24/1999	752	Air		X								Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 2.	

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99080232	NA	NA	H5082399	8/23-24/1999	822	Air		X								Residence west of WP Area on Day 2.	
99080233	NA	NA	H6082399	8/23-24/1999	804	Air		X								Residence 1/2 mile west of PS Area next to State Highway 18 on Day 2.	
99080234	NA	NA	H7082399	8/23-24/1999	846	Air		X								Remote background location approximately 3/4 miles northwest of site on Day 2.	Farm equipment nearby generating dust.
99080236	NA	NA	P1082499	8/24-25/1999	700	Air				X						Rock Creek Road residence east of retorts on Day 3.	
99080237	NA	NA	P2082499	8/24-25/1999	620	Air				X						Northeast corner of PS Area on Day 3.	
99080238	NA	NA	P3082499	8/24-25/1999	645	Air				X						Southeast corner of TP facility on Day 3.	
99080239	NA	NA	P4082499	8/24-25/1999	712	Air				X						Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 3.	
99080240	NA	NA	P5082499	8/24-25/1999	745	Air				X						Residence west of WP Area on Day 3.	
99080241	NA	NA	P6082499	8/24-25/1999	730	Air				X						Residence 1/2 mile west of PS Area next to State Highway 18 on Day 3.	
99080242	NA	NA	P7082499	8/24-25/1999	805	Air				X						Remote background location approximately 3/4 miles northwest of site on Day 3.	Farm equipment nearby generating dust.
99080246	NA	NA	H1082499	8/24-25/1999	657	Air		X								Rock Creek Road residence east of retorts on Day 3.	
99080247	NA	NA	H2082499	8/24-25/1999	645	Air		X								Northeast corner of PS Area on Day 3.	
99080248	NA	NA	H3082499	8/24-25/1999	623	Air		X								Southeast corner of TP facility on Day 3.	
99080249	NA	NA	H4082499	8/24-25/1999	713	Air		X								Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 3.	
99080250	NA	NA	H5082499	8/24-25/1999	741	Air		X								Residence west of WP Area on Day 3.	
99080251	NA	NA	H6082499	8/24-25/1999	727	Air		X								Residence 1/4 mile west of PS Area next to State Highway 18 on Day 3.	
99080252	NA	NA	H7082499	8/24-25/1999	804	Air		X								Remote background location approximately 3/4 miles northwest of site on Day 3.	Farm equipment nearby generating dust.
99080256	NA	NA	P1082599	8/25-26/1999	701	Air				X						Rock Creek Road residence east of retorts on Day 4.	
99080257	NA	NA	P2082599	8/25-26/1999	635	Air				X						Northeast corner of PS Area on Day 4.	
99080258	NA	NA	P3082599	8/25-26/1999	649	Air				X						Southeast corner of TP facility on Day 4.	

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Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99080259	NA	NA	P4082599	8/25-26/1999	715	Air				X						Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 4.	
99080260	NA	NA	P5082599	8/25-26/1999	752	Air				X						Residence west of WP Area on Day 4.	
99080261	NA	NA	P6082599	8/25-26/1999	736	Air				X						Residence 1/4 mile west of PS Area next to State Highway 18 on Day 4.	
99080262	NA	NA	P7082599	8/25-26/1999	808	Air				X						Remote background location approximately 3/4 miles northwest of site on Day 4.	
99080264	NA	NA	H1082599	8/25-26/1999	701	Air		X								Rock Creek Road residence east of retorts on Day 4.	
99080265	NA	NA	H2082599	8/25-26/1999	635	Air		X								Northeast corner of PS Area on Day 4.	
99080266	NA	NA	H3082599	8/25-26/1999	649	Air		X								Southeast corner of TP facility on Day 4.	
99080267	NA	NA	H4082599	8/25-26/1999	715	Air		X								Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 4.	
99080268	NA	NA	H5082599	8/25-26/1999	752	Air		X								Residence west of WP Area on Day 4.	
99080269	NA	NA	H6082599	8/25-26/1999	736	Air		X								Residence 1/4 mile west of PS Area next to State Highway 18 on Day 4.	
99080270	NA	NA	H7082599	8/25-26/1999	808	Air		X								Remote background location approximately 3/4 miles northwest of site on Day 4.	
99080272	NA	NA	P1082699	8/26-27/1999	710	Air				X						Rock Creek Road residence east of retorts on Day 5.	
99080273	NA	NA	P2082699	8/26-27/1999	630	Air				X						Northeast corner of PS Area on Day 5.	
99080274	NA	NA	P3082699	8/26-27/1999	650	Air				X						Southeast corner of TP facility on Day 5.	
99080275	NA	NA	P4082699	8/26-27/1999	725	Air				X						Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 5.	
99080276	NA	NA	P5082699	8/26-27/1999	800	Air				X						Residence west of WP Area on Day 5.	
99080277	NA	NA	P6082699	8/26-27/1999	745	Air				X						Residence 1/4 mile west of PS Area next to State Highway 18 on Day 5.	
99080278	NA	NA	P7082699	8/26-27/1999	815	Air				X						Remote background location approximately 3/4 miles northwest of site on Day 5.	
99080280	NA	NA	H1082699	8/26-27/1999	710	Air		X								Rock Creek Road residence east of retorts on Day 5.	

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99080281	NA	NA	H2082699	8/26-27/1999	630	Air		X								Northeast corner of PS Area on Day 5.	
99080282	NA	NA	H3082699	8/26-27/1999	650	Air		X								Southeast corner of TP facility on Day 5.	
99080283	NA	NA	H4082699	8/26-27/1999	1420	Air		X								Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 5.	Mechanical problems encountered. Sampler shut down during sampling.
99080284	NA	NA	H5082699	8/26-27/1999	800	Air		X								Residence west of WP Area on Day 5.	
99080285	NA	NA	H6082699	8/26-27/1999	745	Air		X								Residence 1/4 mile west of PS Area next to State Highway 18 on Day 5.	
99080286	NA	NA	H7082699	8/26-27/1999	815	Air		X								Remote background location approximately 3/4 miles northwest of site on Day 5.	
99080289	NA	NA	P1082799	8/27-28/1999	702	Air				X						Rock Creek Road residence east of retorts on Day 6.	
99080290	NA	NA	P2082799	8/27-28/1999	630	Air				X						Northeast corner of PS Area on Day 6.	
99080291	NA	NA	P3082799	8/27-28/1999	650	Air				X						Southeast corner of TP facility on Day 6.	
99080292	NA	NA	P4082799	8/27-28/1999	715	Air				X						Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 6.	
99080293	NA	NA	P5082799	8/27-28/1999	750	Air				X						Residence west of WP Area on Day 6.	
99080294	NA	NA	P6082799	8/27-28/1999	725	Air				X						Residence 1/4 mile west of PS Area next to State Highway 18 on Day 6.	
99080295	NA	NA	P7082799	8/27-28/1999	810	Air				X						Remote background location approximately 3/4 miles northwest of site on Day 6.	
99080297	NA	NA	H1082799	8/27-28/1999	702	Air		X								Rock Creek Road residence east of retorts on Day 6.	
99080298	NA	NA	H2082799	8/27-28/1999	630	Air		X								Northeast corner of PS Area on Day 6.	
99080299	NA	NA	H3082799	8/27-28/1999	650	Air		X								Southeast corner of TP facility on Day 6.	
99080300	NA	NA	H4082799	8/27-28/1999	715	Air		X								Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 6.	
99080301	NA	NA	H5082799	8/27-28/1999	750	Air		X								Residence west of WP Area on Day 6.	
99080302	NA	NA	H6082799	8/27-28/1999	725	Air		X								Residence 1/4 mile west of PS Area next to State Highway 18 on Day 6.	Sampler switch was turned off at 4:00 p.m. on August 27, 1999.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99080303	NA	NA	H7082799	8/27-28/1999	810	Air		X								Remote background location approximately 3/4 miles northwest of site on Day 6.	
99080305	NA	NA	P1082899	8/28-29/1999	645	Air				X						Rock Creek Road residence east of retorts on Day 7.	
99080306	NA	NA	P2082899	8/28-29/1999	620	Air				X						Northeast corner of PS Area on Day 7.	
99080307	NA	NA	P3082899	8/28-29/1999	635	Air				X						Southeast corner of TP facility on Day 7.	
99080308	NA	NA	P4082899	8/28-29/1999	655	Air				X						Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 7.	
99080309	NA	NA	P5082899	8/28-29/1999	710	Air				X						Residence west of WP Area on Day 7.	
99080310	NA	NA	P6082899	8/28-29/1999	718	Air				X						Residence 1/4 mile west of PS Area next to State Highway 18 on Day 7.	
99080311	NA	NA	P7082899	8/28-29/1999	730	Air				X						Remote background location approximately 3/4 miles northwest of site on Day 7.	
99080314	NA	NA	H1082899	8/28-29/1999	645	Air		X								Rock Creek Road residence east of retorts on Day 7.	
99080315	NA	NA	H2082899	8/28-29/1999	620	Air		X								Northeast corner of PS Area on Day 7.	
99080316	NA	NA	H3082899	8/28-29/1999	635	Air		X								Southeast corner of TP facility on Day 7.	
99080317	NA	NA	H4082899	8/28-29/1999	655	Air		X								Greater than 1/4 mile east of TP property boundary. East of Chip Mill Road on Day 7.	
99080318	NA	NA	H5082899	8/28-29/1999	710	Air		X								Residence west of WP Area on Day 7.	
99080319	NA	NA	H6082899	8/28-29/1999	718	Air		X								Residence 1/4 mile west of PS Area next to State Highway 18 on Day 7.	
99080320	NA	NA	H7082899	8/28-29/1999	730	Air		X								Remote background location approximately 3/4 miles northwest of site on Day 7.	
QA/QC Samples																	
99244753	MJR274	JQ813	IDW-01	6/10/99	1430	Water		X	X	X	X		X			Investigated derived waste decontamination water.	Baker tank.
99244630	MJAG53	JP244	BG-20-RS	6/10/99	740	Water		X	X	X	X		X			Background location.	Equipment rinsate.
99234325	MJAG41	JP218	EP-16-RS	6/4/99	1355	Water		X	X	X	X		X			End Painting Facility Area.	Equipment rinsate.
99214125	MJAG04	JP107	PS-01-RS	5/18/99	1735	Water		X	X	X	X		X			Treated Pole Storage Area.	Equipment rinsate.
99214110	MJAF82	JP543	PS-02-RS	5/18/99	1750	Water		X	X	X	X		X			Treated Pole Storage Area.	Equipment rinsate.
99214118	MJAF86	JP548	PS-03-RS	5/19/99	1745	Water		X	X	X	X		X			Treated Pole Storage Area.	Equipment rinsate.
99214135	MJR292	JP111	PS-04-RS	5/19/99	1730	Water		X	X	X	X		X			Treated Pole Storage Area.	Equipment rinsate.
99214202	MJAF94	JP558	PS-06-RS	5/22/99	1735	Water		X	X	X	X		X			Treated Pole Storage Area.	Equipment rinsate.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99234398	MJAG05	JP391	SM-17-RS	6/5/99	1400	Water		X	X	X	X		X			Sawmill Facility Area.	Equipment rinsate.
99244506	MJAG09	JP394	SM-18-RS	6/7/99	1720	Water		X	X	X	X		X			Sawmill Facility Area.	Equipment rinsate.
99224159	MJAG21	JP184	TP-07-RS	5/24/99	1650	Water		X	X	X	X		X			Treatment Plant Area.	Equipment rinsate.
99224166	MJAG24	JP187	TP-08-RS	5/25/99	1315	Water		X	X	X	X		X			Treatment Plant Area.	Equipment rinsate.
99224119	MJR315	JP148	TP-09-RS	5/25/99	1700	Water		X	X	X	X		X			Treatment Plant Area.	Equipment rinsate.
99224235	MJR316	JP153	TP-10-RS	5/26/99	1400	Water		X	X	X	X		X			Treatment Plant Area.	Equipment rinsate.
99224184	MJAG27	JP190	TP-11-RS	5/26/99	1445	Water		X	X	X	X		X			Treatment Plant Area.	Equipment rinsate.
99224249	MJR321	JP163	TP-12-RS	5/27/99	1400	Water		X	X	X	X		X			Treatment Plant Area.	Equipment rinsate.
99234261	MJR325	JP167	TP-13-RS	6/1/99	1355	Water		X	X	X	X		X			Treatment Plant Area.	Equipment rinsate.
99244664	MJAG10	JP395	TP-19-RS	6/8/99	1730	Water		X	X	X	X		X			Treatment Plant Area.	Equipment rinsate.
99234363	MJAF97	JP382	TS-14-RS	6/2/99	1445	Water		X	X	X	X		X			Truck Shop Area.	Equipment rinsate.
99234379	MJAG00	JP389	TS-15-RS	6/3/99	1735	Water		X	X	X	X		X			Truck Shop Area.	Equipment rinsate.
99214149	MJAF89	JP552	WP-04-RS	5/20/99	1700	Water		X	X	X	X		X			White Pole Storage Area.	Equipment rinsate.
99214169	MJR297	JP117	WP-05-RS	5/20/99	1720	Water		X	X	X	X		X			White Pole Storage Area.	Equipment rinsate.
99214183	MJR302	JP124	WP-07-RS	5/22/99	1735	Water		X	X	X	X		X			White Pole Storage Area.	Equipment rinsate.
99214104	NA	JP541	TB-01	5/18/99	920	Water			X								Trip Blank.
99214124	NA	JP106	TB-02	5/18/99	1400	Water			X								Trip Blank.
99214126	NA	JP108	TB-03	5/19/99	825	Water			X								Trip Blank.
99214111	NA	JP545	TB-04	5/19/99	815	Water			X								Trip Blank.
99214119	NA	JP112	TB-05	5/20/99	800	Water			X								Trip Blank.
99214136	NA	JP549	TB-06	5/20/99	755	Water			X								Trip Blank.
99214170	NA	JP118	TB-07	5/21/99	900	Water			X								Trip Blank.
99214156	NA	JP555	TB-08	5/21/99	855	Water			X								Trip Blank.
99214184	NA	JP125	TB-09	5/22/99	800	Water			X								Trip Blank.
99214203	NA	JP559	TB-10	5/22/99	800	Water			X								Trip Blank.
99224100	NA	JP134	TB-11	5/24/99	850	Water			X								Trip Blank.
99224101	NA	JP135	TB-12	5/24/99	855	Water			X								Trip Blank.
99224102	NA	JP136	TB-13	5/24/99	900	Water			X								Trip Blank.
99224103	NA	JP137	TB-14	5/24/99	905	Water			X								Trip Blank.
99224106	NA	JP140	TB-15	5/25/99	720	Water			X								Trip Blank.
99224107	NA	JP141	TB-16	5/25/99	725	Water			X								Trip Blank.
99224109	NA	JP143	TB-18	5/25/99	735	Water			X								Trip Blank.
99224121	NA	JP150	TB-20	5/26/99	750	Water			X								Trip Blank.
99224122	NA	JP151	TB-21	5/26/99	755	Water			X								Trip Blank.
99224123	NA	JP152	TB-22	5/26/99	800	Water			X								Trip Blank.
99224239	NA	JP156	TB-23	5/27/99	720	Water			X								Trip Blank.
99224240	NA	JP157	TB-24	5/27/99	725	Water			X								Trip Blank.
99224241	NA	JP158	TB-25	5/27/99	730	Water			X								Trip Blank.
99224242	NA	JP159	TB-26	5/27/99	735	Water			X								Trip Blank.
99224193	NA	JP192	TB-27	5/27/99	1600	Water			X								Trip Blank.
99224194	NA	JP193	TB-28	5/27/99	1605	Water			X								Trip Blank.
99224195	NA	JP194	TB-29	5/28/99	745	Water			X								Trip Blank.
99224196	NA	JP195	TB-30	5/28/99	750	Water			X								Trip Blank.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99224197	NA	JP196	TB-31	5/28/99	755	Water			X								Trip Blank.
99224198	NA	JP197	TB-32	5/28/99	800	Water			X								Trip Blank.
99234250	NA	JP202	TB-33	6/1/99	1335	Water			X								Trip Blank.
99234251	NA	JP203	TB-34	6/1/99	1340	Water			X								Trip Blank.
99234252	NA	JP204	TB-35	6/1/99	1345	Water			X								Trip Blank.
99234267	NA	JP170	TB-37	6/2/99	715	Water			X								Trip Blank.
99234268	NA	JP171	TB-38	6/2/99	720	Water			X								Trip Blank.
99234270	NA	JP173	TB-40	6/2/99	730	Water			X								Trip Blank.
99234367	NA	JP383	TB-41	6/3/99	720	Water			X								Trip Blank.
99234369	NA	JP385	TB-43	6/3/99	730	Water			X								Trip Blank.
99234370	NA	JP386	TB-44	6/3/99	735	Water			X								Trip Blank.
99234277	NA	JP327	TB-45	6/3/99	1345	Water			X								Trip Blank.
99234314	NA	JP212	TB-46	6/4/99	715	Water			X								Trip Blank.
99234316	NA	JP214	TB-48	6/4/99	725	Water			X								Trip Blank.
99234317	NA	JP215	TB-49	6/4/99	730	Water			X								Trip Blank.
99234334	NA	JP219	TB-50	6/5/99	720	Water			X								Trip Blank.
99234337	NA	JP222	TB-53	6/5/99	735	Water			X								Trip Blank.
99244466	NA	JP223	TB-54	6/7/99	730	Water			X								Trip Blank.
99244468	NA	JP225	TB-56	6/7/99	740	Water			X								Trip Blank.
99244517	NA	JP229	TB-57	6/8/99	720	Water			X								Trip Blank.
99244518	NA	JP230	TB-58	6/8/99	725	Water			X								Trip Blank.
99244618	NA	JP232	TB-60	6/9/99	715	Water			X								Trip Blank.
99244619	NA	JP233	TB-61	6/9/99	720	Water			X								Trip Blank.
99244689	NA	JP407	TB-64	6/11/99	755	Water			X								Trip Blank.
99080207	NA	NA	P8082299	8/22-23/1999	930	Air				X							Field blank on Day 1.
99080217	NA	NA	H8082299	8/22-23/1999	930	Air		X									Field blank on Day 1
99080218	NA	NA	H082299-MS	8/22-23/1999	945	Air		X									Matrix spike on Day 1.
99080219	NA	NA	H082299-MSD	8/22-23/1999	945	Air		X									Matrix spike duplicate on Day 1.
99080227	NA	NA	P8082399	8/23-24/1999	905	Air				X							Field blank on Day 2.
99080235	NA	NA	H8082399	8/23-24/1999	900	Air		X									Field blank on Day 2.
99080243	NA	NA	P8082499	8/24-25/1999	815	Air				X							Field blank on Day 3.
99080253	NA	NA	H8082499	8/24-25/1999	820	Air		X									Field blank on Day 3.
99080254	NA	NA	H082499-MS	8/24-25/1999	900	Air		X									Matrix spike on Day 3.
99080255	NA	NA	H082499-MSD	8/24-25/1999	900	Air		X									Matrix spike duplicate on Day 3.

Key is presented at the end of the table.

Table 3-1

SAMPLE COLLECTION AND ANALYTICAL SUMMARY
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Sample Identification			Sample Collection					Sample Analysis								Sample Location	Sample Description
EPA Sample ID	Inorganic CLP ID	Organic CLP ID	Location ID	Date	Time	Matrix	Depth bgs	Metals	VOC	SVOC	Pest./ PCBs	ESAT	Dioxin	TOC	Splits collected		
99080263	NA	NA	P8082599	8/25-26/1999	830	Air				X							Field blank on Day 4.
99080271	NA	NA	H8082599	8/25-26/1999	830	Air		X									Field blank on Day 4.
99080279	NA	NA	P8082699	8/26-27/1999	830	Air				X							Field blank on Day 5.
99080287	NA	NA	H8082699	8/26-27/1999	830	Air		X									Field blank on Day 5.
99080296	NA	NA	P8082799	8/27-28/1999	830	Air				X							Field blank on Day 6.
99080304	NA	NA	H8082799	8/27-28/1999	830	Air		X									Field blank on Day 6.
99080321	NA	NA	H8082899	8/28-29/1999	745	Air		X									Field blank on Day 7.
99080322	NA	NA	H082899-MS	8/28-29/1999	800	Air		X									Matrix spike on Day 7.
99080323	NA	NA	H082899-MSD	8/28-29/1999	800	Air		X									Matrix spike duplicate on Day 7.

Key is presented at the end of the table.

Key:

AP	= Boiler Ash and UST Soil Remediation waste pile.
BG	= Background sample.
bgs	= Below ground surface.
CD	= Center Ditch.
CLP	= Contract Laboratory Program.
ED	= East Ditch.
EP	= End Painting Facility.
EPA	= Environmental Protection Agency.
EPD	= End Painting Facility Ditch.
ESAT	= Environmental Services Assistance Team.
FID	= Flame ionization detector.
FP	= Fire Protection Pond.
ft.	= Feet.
GW	= Groundwater.
ID	= Identification.
IDW	= Investigation derived waste.
MD	= Middle Ditch.
MM	= Moe's Mountain waste pile.
MSD	= Sawmill Maintenance Shop Ditch.
MW	= Monitoring well.
NA	= Not analyzed.
ND	= North Ditch.
NPDES	= National Pollutant Discharge Elimination System.
NRD	= North Railroad Ditch.
OS	= Onsite perimeter sample.
PAD	= Ponded area next to drip pads.
Pest/PCB	= Pesticides/polychlorinated biphenyl compounds.
PID	= Photoionizing detector.
PPD	= Power Plant Ditch.
ppm	= Parts per million.
PR	= Product.
PS	= Treated Pole Storage Area.
PZ	= Piezometer.
QA	= Quality assurance.
QC	= Quality control.
RC	= Rock Creek.
RCD	= Rock Creek Ditch.
RS	= Rinsate.
RW	= Residential well.
SB	= Subsurface soil sample.
SD-	= South ditch.
-SD	= Sediment sample.
SF	= Sheridan Forest Products.
SM	= Sawmill Facility.
SMD	= Sawmill Facility Ditch.
SO	= Residential soil sample.
SRD	= South railroad ditch.
SS	= Surface soil sample.
SVOCs	= Semivolatile organic compounds.
SW	= Surface water sample.
TB	= Trip blank.
TK	= Tank sample.
TLT	= Taylor Lumber and Treating.
TOC	= Total organic carbon.
TP	= Treatment Plant.
TS	= Truck Shop Facility.
UST	= Underground storage tank.
VHD	= Valley Highway Ditch.
VOCs	= Volatile organic compounds.
WD	= West Ditch.
WL	= Wetland sample.
WP	= White Pole Storage Area.
YR	= South Yamhill River.

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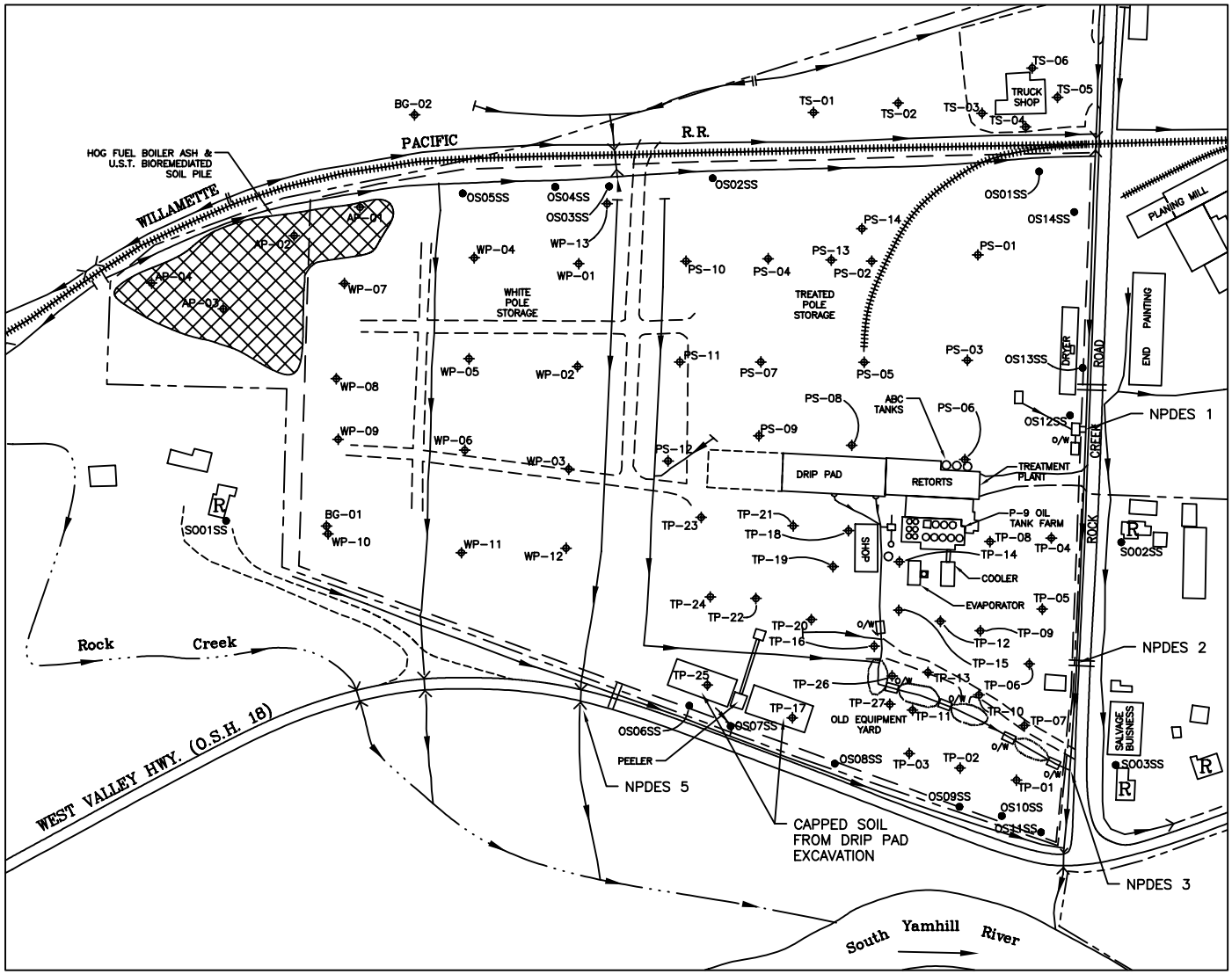

LEGEND

- TAYLOR LUMBER & TREATING FACILITY PROPERTY LINE
- SURFACE WATER DRAINAGE DITCH
- RAILROAD TRACKS
- R — RESIDENTIAL HOUSE
- CULVERT
- TP-22 — BOREHOLE LOCATION
- OS09SS — SURFACE SOIL SAMPLE LOCATION
- O/W — OIL/WATER SEPARATOR

KEY

AP =	ASH PILE BOREHOLE
BG =	BACKGROUND BOREHOLE
NPDES =	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEMS
OS =	ONSITE PERIMETER SAMPLE
OSH =	OREGON STATE HIGHWAY
PS =	TREATED POLE AREA BOREHOLE
RR =	RAILROAD
SD =	RESIDENTIAL SOIL SAMPLE
SS =	SURFACE SOIL SAMPLE
TP =	TREATMENT PLANT AREA BOREHOLE
TS =	TRUCK MAINTENANCE SHOP AREA BOREHOLE
UST =	UNDERGROUND STORAGE TANK

N

APPROXIMATE SCALE IN FEET

0 100 200 300

SEA PLOTTED: 06-02-00 BEM

NO.	DATE	DSN	APPD	DESCRIPTION

REVISION

Ecology and environment, inc.
International Specialists in the Environment
Seattle, Washington

DESIGNED BY: A. FRANZEN
CHECKED BY: XXXXXXXXXX
DRAWN BY: BRUCE MORRIS
APPROVED BY: XXXXXXX

FIGURE 3-1
SURFACE SOIL SAMPLE AND BOREHOLE LOCATION MAP
WEST FACILITY
TAYLOR LUMBER AND TREATING, INC.
SHERIDAN, OREGON

SCALE	DATE ISSUED	C.A.D. FILE NO.	DRAWING NO.
NOTED	06-29-00	DC06F03_1E.DWG	2 of 10

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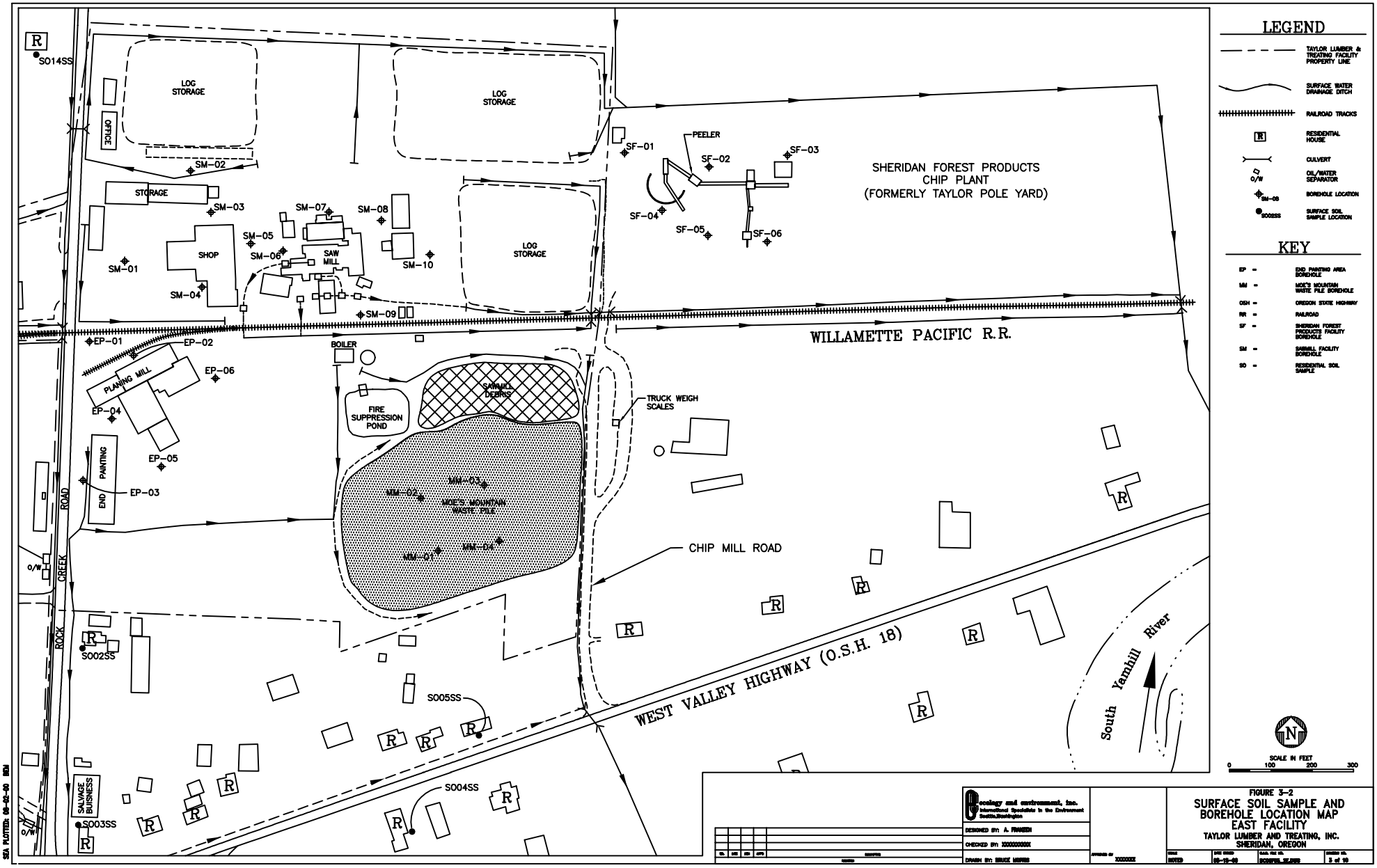

SEA PLOTTED: 03-22-00 BEM

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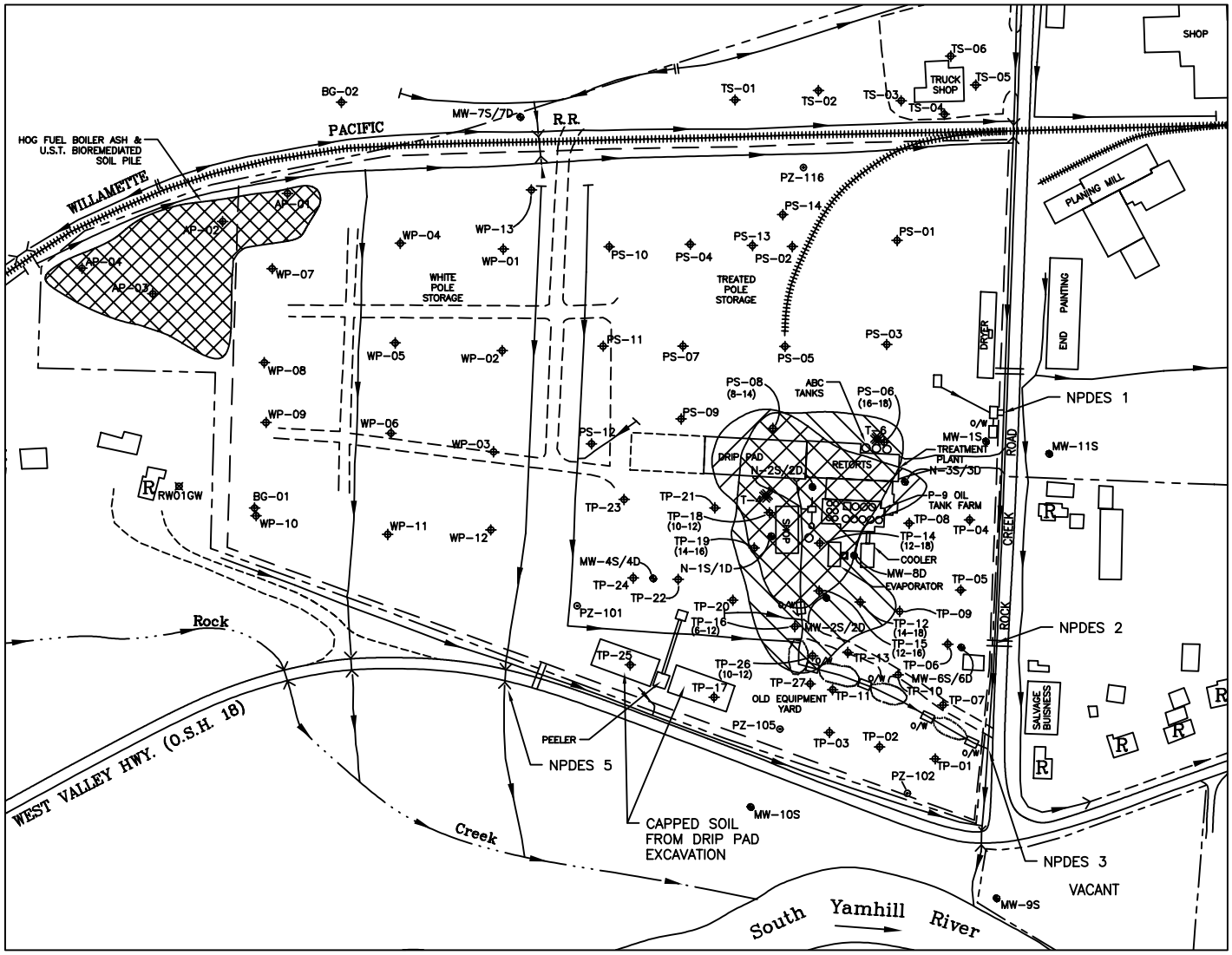

LEGEND

- TAYLOR LUMBER & TREATING FACILITY PROPERTY LINE
- SURFACE WATER DRAINAGE DITCH
- RAILROAD TRACKS
- R — RESIDENTIAL HOUSE
- CULVERT
- O/W — OIL/WATER SEPARATOR
- TP-22 — BOREHOLE LOCATION
- MW-10S — MONITORING WELL LOCATION
- PZ-101 — PIEZOMETER LOCATION
- RW01GW — RESIDENTIAL WATER WELL LOCATION
- T-4 — DAMAGED WELL (UNABLE TO SAMPLE)
- TP-26 (10-12) — BOREHOLE LOCATION (DEPTH BGS OF OBSERVED NAPL)
- NAPL OBSERVED DURING 1999 INTEGRATED ASSESSMENT.
- NAPL OBSERVED DURING 1997 RCRA FACILITY INVESTIGATION.

KEY

AP	=	ASH PILE BOREHOLE
BG	=	BACKGROUND BOREHOLE
BGS	=	BELOW GROUND SURFACE
MW	=	MONITORING WELL
NAPL	=	NON-AQUEOUS PHASE LIQUID
NPDES	=	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEMS
OSH	=	OREGON STATE HIGHWAY
PS	=	TREATED POLE STORAGE BOREHOLE
PZ	=	PIEZOMETER
RR	=	RAILROAD
RW	=	RESIDENTIAL WELL
TP	=	TREATMENT PLANT BOREHOLE
TS	=	TRUCK MAINTENANCE SHOP BOREHOLE
UST	=	UNDERGROUND STORAGE TANK
WP	=	WHITE POLE STORAGE BOREHOLE

N

SCALE IN FEET
0 100 200 300

SEA PLOTTED: 06-02-00 BEM

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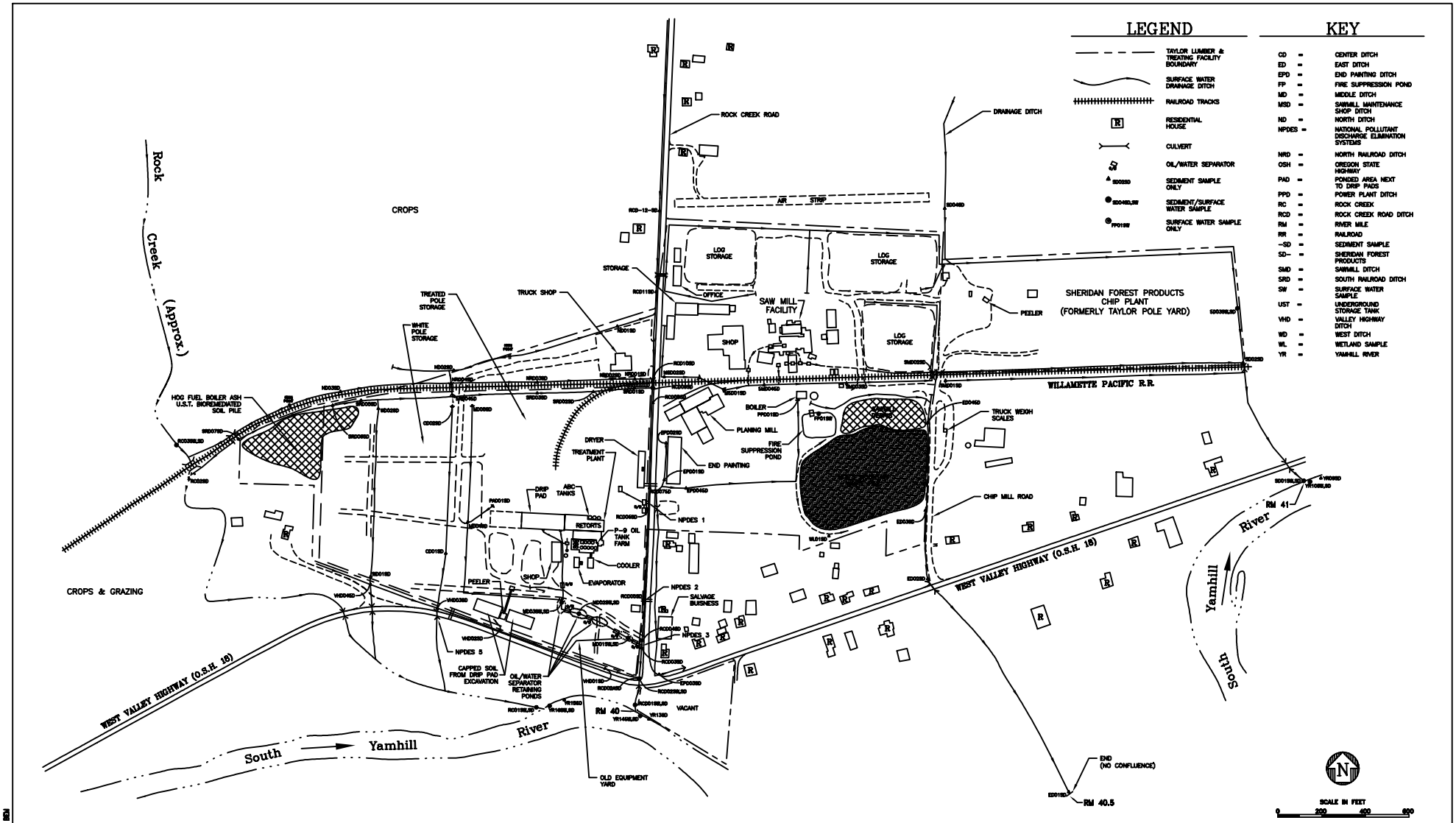
International Specialists in the Environment
Seattle, Washington

DESIGNED BY: A. FRANZEN
CHECKED BY: XXXXXXXXXX
DRAWN BY: BRUCE MORRIS
APPROVED BY: XXXXXXX

FIGURE 3-3
ON-SITE SUBSURFACE SOIL AND GROUNDWATER SAMPLE LOCATIONS AND NAPL DELINEATION MAP
TAYLOR LUMBER AND TREATING, INC.
SHERIDAN, OREGON

SCALE: NOTED | DATE ISSUED: 06-29-00 | C.A.D. FILE NO.: DC06F03_3E.DWG | DRAWING NO.: 4 of 10

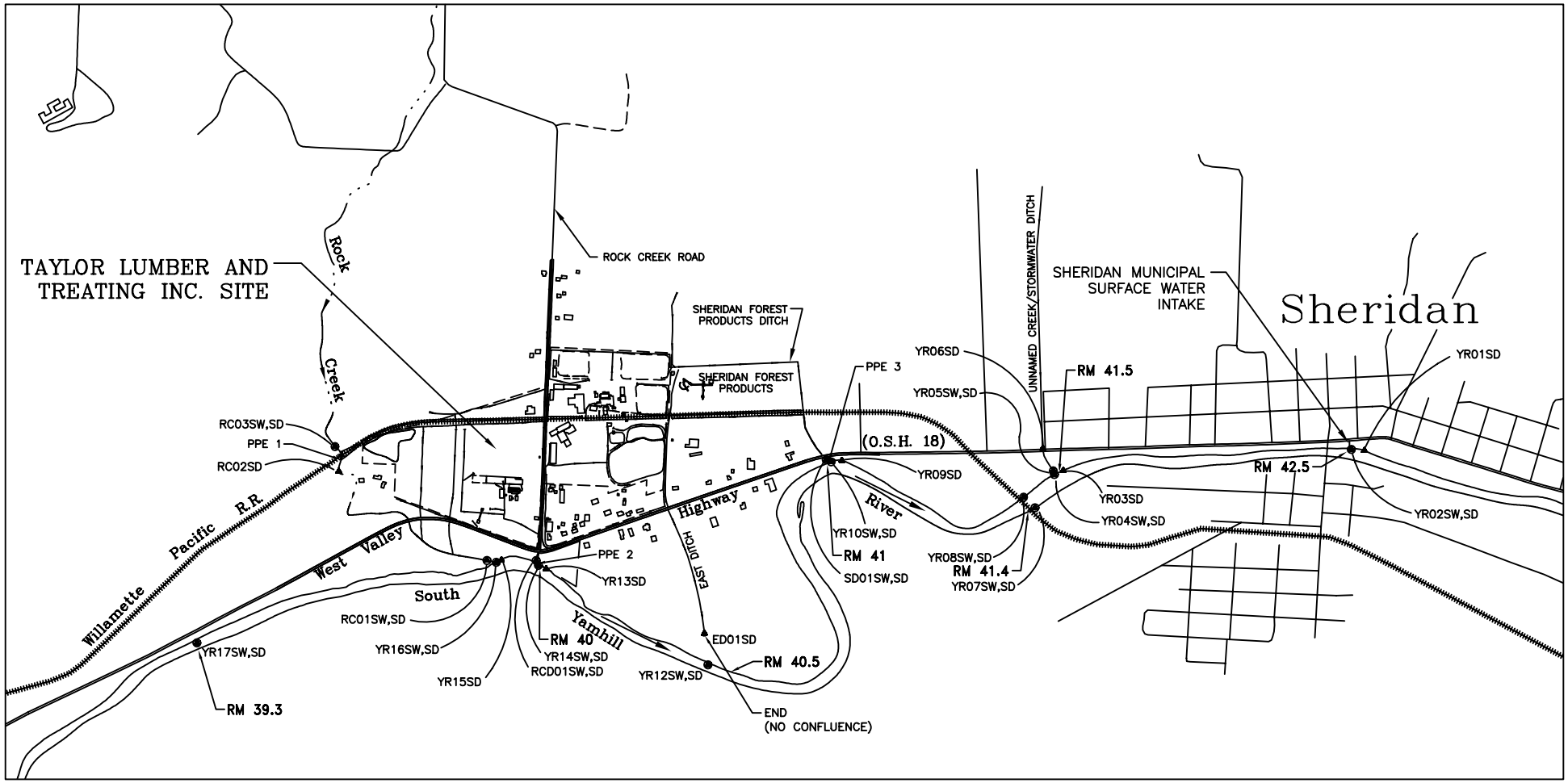
H:\FROMINT\KJ010-A\DC0001\FIGURES\DC06F03_4E.DWG\A.FRANZEN-ENG'R\B.MORRIS-AUTOCAD\06-28-00\,SEATTLE,WA



ecology and environment, inc. International Specialists in the Environment Seattle, Washington		FIGURE 3-4 ON- & NEAR-SITE SURFACE WATER AND SEDIMENT SAMPLE LOCATION MAP TAYLOR LUMBER AND TREATING, INC. SHERIDAN, OREGON
DESIGNED BY: A. FRANZEN		
CHECKED BY: XXXXXXXXXX		
DRAWN BY: BRUCE MORRIS	APPROVED BY XXXXXXXX	SCALE NOTED · DATE ISSUED 06-28-00 · DWG. FILE NO. DC06F03_4E.DWG · DRAWING NO. 3 of 10

SEA PLOTTED: 06-02-00 BEM

H:\FROMNT\KJ010-A\DC0001\FIGURES\DC06F03_SE.DWG\A.FRANZEN-ENG'R\B.MORRIS-AUTOCAD\06-28-00\SEATTLE,WA



LEGEND

- TAYLOR LUMBER & TREATING FACILITY PROPERTY LINE
- SURFACE WATER DRAINAGE DITCH
- RAILROAD TRACKS
- ED01SD — SEDIMENT SAMPLE ONLY LOCATION
- YR04SW,SD — SURFACE WATER/SEDIMENT SAMPLE LOCATION

KEY

ED	=	EAST DITCH
OSH	=	OREGON STATE HIGHWAY
PPE	=	PROBABLE POINT OF ENTRY
RC	=	ROCK CREEK
RCD	=	ROCK CREEK ROAD DITCH
RM	=	RIVER MILE
RR	=	RAILROAD
-SD	=	SEDIMENT SAMPLES
SD-	=	SHERIDAN FOREST PRODUCTS DITCH
SW	=	SURFACE WATER SAMPLES
YR	=	YAMHILL RIVER

N

APPROXIMATE SCALE IN FEET: 0 500 1000 1500

APPROXIMATE SCALE IN MILES: 0 0.25 0.5

NO.	DATE	BY	APP'D

REVISIONS

DESIGNED BY: A. FRANZEN

CHECKED BY: XXXXXXXXXX

DRAWN BY: BRUCE MORRIS

APPROVED BY: XXXXXXXX

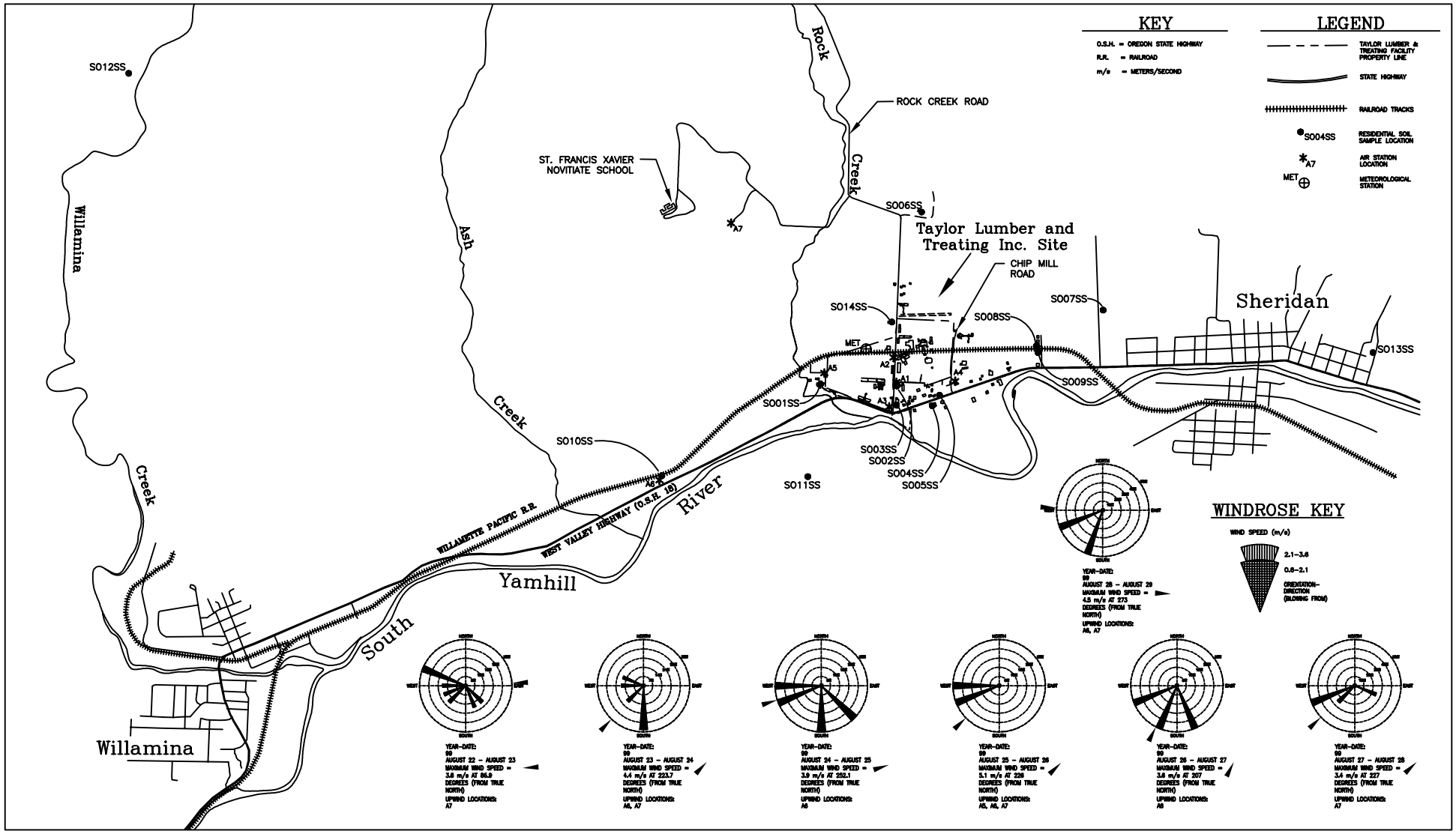
ecology and environment, inc.
International Specialists in the Environment
Seattle, Washington

FIGURE 3-5
S. YAMHILL RIVER AND ROCK CREEK SURFACE WATER/SEDIMENT SAMPLE LOCATION MAP (EXPANDED VIEW)
TAYLOR LUMBER AND TREATING, INC.
SHERIDAN, OREGON

SCALE	DATE ISSUED	DRAW. FILE NO.	DRAWING NO.
NOTED	09-22-00	SCHEMATIC_SE.DWG	5 of 10

SEA PLOTTED: 09-22-00 BEM

I:\FROMNT\KJ0104\DC0601\FIGURES\DC06F03_6E.DWG\A.FRANZEN-ENG'R\B.MORRIS-AUTOCAD\03-30-00\SEATTLE,WA



SEA PLOTTED: 06-02-00 BEM

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International Specialists in the Environment
Seattle, Washington

DESIGNED BY: A. FRANZEN
CHECKED BY: XXXXXXXXXX
DRAWN BY: BRUCE MORRIS
APPROVED BY: XXXXXXX

FIGURE 3-6
RESIDENTIAL SURFACE SOIL SAMPLE & AIR STATION LOCATION MAP
TAYLOR LUMBER AND TREATING, INC.
SHERIDAN, OREGON

SCALE: NOTED | DATE ISSUED: 05-30-00 | C.A.D. FILE NO.: DC06F03_6E.DWG | DRAWING NO.: 7 of 10

4. QUALITY ASSURANCE/QUALITY CONTROL

QA/QC data are necessary to determine precision and accuracy and to demonstrate the absence of interferences and/or contamination of sampling equipment, glassware, and reagents. Specific QC requirements for laboratory analyses are incorporated in EPA's *Contract Laboratory Program Statement of Work for Organic Analyses* (EPA 1991b) and in EPA's *CLP Statement of Work for Inorganic Analyses* (EPA 1991c). These QC requirements or equivalent requirements were followed for analytical work on the TLT IA. This section describes the QA/QC measures taken for the IA and provides an evaluation of the usability of data presented in this report.

All samples were collected following the guidance of the SQAP (E & E 1999) for the field activities. Soil and water inorganic analyses were performed at CAS, Kelso, Washington, a START-subcontracted commercial laboratory, following EPA Methods 200.8, 6010, 7740, and 7471A; at DataChem Laboratory, Inc., Salt Lake City, Utah, a START-subcontracted commercial laboratory, following EPA SW-846 Methods 6010 and 7471A; and at Sentinel, Inc., Huntsville, Alabama, and SVL, Inc., Kellogg, Idaho, both CLP laboratories, following the EPA's *CLP Statement of Work for Inorganic Analyses* (EPA 1991c). Organic analyses were performed at Sound Analytical Services, Inc., Tacoma, Washington, a START-subcontracted commercial laboratory, following EPA SW-846 Methods 8260, 8081, and 8082 and at Compuchem, Inc., Cary, N.C., and Southwest Laboratory of Oklahoma (SWOK), Broken Arrow, Oklahoma, both CLP laboratories, following the EPA's *CLP Statement of Work for Organic Analyses* (EPA 1991b). Air samples were analyzed for cPAHs and PCP by Air Toxics, Ltd., Folsom, California, a START-subcontracted commercial laboratory, following EPA Methods TO-13 and SW-846 Method 8270 and for arsenic, chromium, and lead by SWOK following EPA Methods IO 3.5 and SW-846 Methods 6000/7000 series. Field analysis for PCP and PAHs were performed by the ESAT following EPA field analytical screening protocol SOPs 035 and 029, respectively.

All data from analyses performed by the ESAT and CLP laboratories were reviewed and validated by EPA chemists; data from the START-subcontracted commercial laboratories were reviewed and validated by the START chemists. Data qualifiers were applied as necessary according to the following guidance:

- *EPA* (February 1994a) *Contract Laboratory Program National Functional Guidelines for Organic Data Review*; and

- *EPA* (February 1994b) *Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*.

In the absence of other QC guidance, method-specific QC limits were also utilized to apply qualifiers to the data. Copies of the data QA memoranda are included in Appendix E.

4.1 SATISFACTION OF DATA QUALITY OBJECTIVES

The following EPA (1994c) guidance document was used to establish data quality objectives (DQOs) for this IA:

- *Data Quality Objectives Process for Superfund, Interim Final Guidance,* EPA 600-R-96-055.

The EPA task monitors determined that definitive data without error and bias determination would be used for the sampling and analyses conducted during the field activities. The data quality achieved during the field work produced sufficient data that meet the data objectives stated in the SQAP (E & E 1999e).

A detailed discussion of the IA objectives that were accomplished is presented in the following sections.

4.2 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

QA samples included trip blank and rinsate samples. In total, 52 trip blank samples (at a rate of one blank per cooler of VOC samples) were shipped to the laboratories. Twenty rinsate samples, collected with Geoprobe sampling equipment at a rate of 1.5 per day of equipment use, were submitted for the project. QC samples included matrix spike/matrix spike duplicate (MS/MSD) samples for organic analyses or MS/duplicate (MS/dup) samples for inorganic analyses at a rate of one MS/MSD or one MS/dup per 20 samples per matrix (excluding QA, air, and product samples; spikes and duplicates are not applicable for these matrices).

4.3 PROJECT-SPECIFIC DATA QUALITY OBJECTIVES

The laboratory data were reviewed to ensure that DQOs for the project were met. The following describes the laboratories' abilities to meet project DQOs for precision, accuracy, and completeness and the field team's ability to meet project DQOs for representativeness and comparability. The laboratories and the field team were able to meet DQOs for the project.

4.3.1 Precision

Precision measures the reproducibility of the sampling and analytical methodology. Laboratory and field precision is defined as the relative percent difference (RPD) between duplicate sample analyses. The laboratory duplicate samples or MS/MSD samples measure the precision of the analytical method.

The RPD values were reviewed for all laboratory samples. Approximately 0.6 percent of the sample results were qualified as estimated quantities (J) based on duplicate QC outliers. The DQO for precision of 85 percent was met.

4.3.2 Accuracy

Accuracy measures the reproducibility of the sampling and analytical methodology. Laboratory accuracy is defined as the surrogate spike percent recovery (%Rs) for each SVOC, pesticide/PCB, or VOC analysis or the matrix spike %Rs for all analyses. The surrogate %R values were reviewed for all appropriate sample analyses. Approximately 0.7 percent of the results were qualified as estimated quantities (J), and approximately 0.1 percent of the results were rejected (R) based on surrogate QC outliers. Thirty dioxin/furan results were rejected because of potential ether interferences. All dioxin/furan results for product samples TK-01 and TK-02, collected from the treatment plant tanks, were rejected due to extremely low internal standard recoveries. Additionally, one dioxin/furan result for 1,2,3,4,7,8-HxCDF was rejected in on-site surface soil sample collected in the Treated Pole Storage area (PS-14-SS-00) was also rejected due to extremely low internal standard recoveries.

The matrix spike %R values were reviewed for all MS/MSD analyses. Approximately 1.3 percent of the results were qualified as estimated quantities (J), and 0.3 percent of the results were rejected (R; a total of 51 antimony and 6 silver results due to low spike recoveries) based on MS/MSD recovery outliers. Overall, the project DQO for accuracy of 85 percent was met.

4.3.3 Completeness

Data completeness is defined as the percentage of usable data (usable data divided by the total possible data). All laboratory data were reviewed for data validation and usability. Approximately 0.4 percent of the data were rejected, therefore the project DQO for completeness of 90 percent was met.

4.3.4 Representativeness

Data representativeness expresses the degree to which sample data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, or environmental condition. The number and selection of samples were determined in the field to account accurately for site variations and sample matrices. The DQOs for representativeness of 85 percent were met.

4.3.5 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared to another. Data produced for this site followed applicable field sampling techniques and specific analytical methodology. The DQOs for comparability were met.

4.4 LABORATORY QUALITY ASSURANCE/QUALITY CONTROL PARAMETERS

The laboratory data also were reviewed for holding times, laboratory blank samples, trip blank samples, and rinsate samples. These QA/QC parameters are summarized below. In general, the laboratory and field QA/QC parameters were considered acceptable.

4.4.1 Holding Times

A total of 191 results were qualified as estimated quantities (J or UJ) based on holding time QC outliers.

4.4.2 Laboratory Blanks

All laboratory blanks met the frequency criteria. The following contaminants of concern were detected in the laboratory blanks:

- VOCs: Methylene chloride, acetone, toluene, 2-hexanone, 2-butanone, 4-methyl-2-phenol, 1,1,2-trichloroethane, bromoform, 1,1,2,2-tetrachloroethane, and trichloroethene;
- Pesticides: alpha-chlordane, lindane, endosulfan I, 4,4'-DDD, 4,4-DDT, aldrin, alpha-BHC, endosulfan sulfate, endrin, endrin ketone, gamma-chlordane, and beta-BHC;
- Metals: Copper, lead, vanadium, antimony, barium, chromium, zinc, selenium, cobalt, beryllium, silver, manganese, arsenic, cadmium, nickel, mercury, thallium, and phosphorus; and
- SVOCs: naphthalene, bis(2-ethylhexyl)phthalate, and phenol.

Any associated sample result less than five times the blank contamination (10 times for common laboratory contaminants) were qualified as not detected (U). See the data QA memoranda (Appendix E) for sample results that were qualified based on blank contamination.

4.4.3 Trip Blanks

Table 4-1 summarizes the trip blank results. Trip blanks met the frequency criteria. Acetone, carbon disulfide, chloroform, methylene chloride, toluene, and tetrachloroethene were detected in at least

one of the VOC trip blank samples. Associated sample results less than five times the trip blank contamination were considered not detected (U).

4.4.4 Rinsate Blanks

Table 4-2 summarizes the rinsate blank results. Rinsate blanks met the frequency criteria. A total of 20 rinsate samples were collected from decontaminated Geoprobe™ sampling equipment during the field event. The following compounds were detected in at least one rinsate blank sample: bis(2-ethylhexyl)phthalate in five blanks, butylbenzyl-phthalate in one blank, di-n-butylphthalate in one blank, acetone in nine blanks, chloroform in seven blanks, methylene chloride in two blanks, endrin ketone in one blank, copper in one blank, lead in four blanks, manganese in 11 blanks, mercury in 15 blanks, and zinc in 12 blanks. The phthalates, methylene chloride, and acetone are common laboratory contaminants and are likely not indicative of inadequate equipment decontamination, but rather of laboratory contamination.

Mercury was detected in 15 of the 20 rinsate blank samples at concentrations up to 6.3 micrograms per liter (µg/L). Mercury is not typically detected in rinsate blank samples. As a conservative measure, all associated soil mercury results less than 10 times the highest blank concentration (a total of 172 soil samples) were qualified as not detected (U). Associated soil mercury results qualified as such included only surface and subsurface soil samples collected by the Geoprobe™ (i.e. samples collected from on-site potential source areas). All other samples (groundwater, surface water, sediment, air, product, on-site perimeter surface soil, and residential surface soil) were collected with dedicated sampling equipment; therefore, mercury results for these samples were unaffected by the observed blank contamination.

Chloroform, endrin ketone, copper, lead, manganese, and zinc concentrations in the rinsate blanks were not likely to contribute significantly to the associated samples due to their relatively low concentrations.

4.4.5 Air Sample Field Blanks

Table 4-3 summarizes the air sample field blank results. Air sample field blanks met the frequency criteria. Chromium and lead were detected in almost all of the air sample field blanks. Chromium and lead concentrations in the field blanks were not likely to contribute significantly to the associated samples, but the results for all air samples should be viewed with caution. Naphthalene and 2-methylnaphthalene were detected in the air sample field blank collected on August 23, 1999. Naphthalene and 2-methylnaphthalene concentrations in the field blanks were not likely to contribute significantly to the associated samples (P1082399 through P7082399 and H1082399 through H7082399) due to their relatively low concentrations.

4.5 ESAT FIELD SCREENING ANALYSES

ESAT analyzed a total of 364 soil samples for PCP and 15 selected PAHs. Screening results were used to delineate potential on-site surface and subsurface contamination at the site and to determine the need for deeper or additional borehole advancement. A list of the field screening target analytes and their corresponding instrument detection limits (IDLs) are presented in Table 4-4. A QA review of the ESAT screening analysis was conducted by a START chemist. Results of this review and the associated data validation QA memoranda are provided with the laboratory data validation memorandums in Appendix E.

A total of 137 soil samples were submitted to a contracted laboratory (CAS) for confirmation analysis. A START chemist performed a linear regression analysis of the ESAT screening and the CAS confirmation results for PCP, phenanthrene, and chrysene. These compounds were chosen for correlation based on their relatively wide range of sample concentrations, high percentage of concentrations above sample quantitation limits (SQLs), and because they are expected to be representatve of the overall correlation of field screening to fixed laboratory PAH results. The regression analyses showed correlation coefficients (R^2) for PCP, phenanthrene, and chrysene of 0.9996, 0.9224, and 0.8152, respectively. According to EPA guidance, a minimum correlation coefficient of 0.70 is necessary to consider field analytical results acceptable when compared with laboratory confirmation results. The screening results and the confirmation results show an acceptable correlation, and the laboratory screening accomplished its objective of identifying areas of potential contaminant sources and of determining the extent of contamination across the site. Figures 4-1 through 4-3 illustrate the correlation between the screening and fixed laboratory analytical results for PCP, phenanthrene, and chrysene, respectively.

Table 4-1

TRIP BLANK SAMPLES
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214104	99214124	99214126	99214119	99214136	99224123	99224242	99224193	99224198
CLP Organic Number	JP541	JP106	JP108	JP112	JP549	JP152	JP159	JP192	JP197
Location ID Number	TB-01	TB-02	TB-03	TB-05	TB-06	TB-22	TB-26	TB-27	TB-32
VOCs (ug/L)									
Acetone	**6 JQK**	**7 JQK**	**7 JQK**	**3 JQK**	10 U	10 U	10 U	10 U	0.4 U
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	**1 JQK**	10 U	10 U	0.4 U
Chloroform	**1 JQK**	**1 JQK**	10 U	10 U	**1 JQK**	10 U	10 U	10 U	0.4 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	10 U	**1 JQK**	**2 JQK**	0.4 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**0.097 JQK**
Tetrachloroethylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.4 U

Key at end of the table.

Table 4-1 (CONTINUED)

TRIP BLANK SAMPLES
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99234251	99234314	99234316	99234317	99244466	99244517	99244518	99244689
CLP Organic Number	JP203	JP212	JP214	JP215	JP223	JP229	JP230	JP407
Location ID Number	TB-34	TB-46	TB-48	TB-49	TB-54	TB-57	TB-58	TB-64
VOCs (ug/L)								
Acetone	10 U	10 U	10 U	10 U	10 U	10 UJK	25 UJK	10 U
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U
Chloroform	**1 JQK**	10 U	**1 JQK**	**1 JQK**	**1 JQK**	**2 JQK**	25 U	**2 JQK**
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	**200**	**250**	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	25 U	10 U
Tetrachloroethylene	10 U	**2 JQK**	10 U	10 U	10 U	10 U	25 U	10 U

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.

Key:

CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
ug/L = Micrograms per liter.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
TB = Trip blank.
U = The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for, but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOCs = Volatile organic compounds.

Table 4-2

RINSATE SAMPLES
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	992141125	99214110	99214118	99214135	99214149	99214169	99214159	99224166	99224119	99224235
CLP Inorganic Number	MJAG04	MJAF82	MJAF86	MJR292	MJAF89	MJR297	MJAG21	MJAG24	MJR315	MJR316
CLP Organic Number	JP107	JP543	JP548	JP111	JP552	JP117	JP184	JP187	JP148	JP153
Location ID Number	PS-01-RS	PS-02-RS	PS-03-RS	PS-04-RS	WP-04-RS	WP-05-RS	TP-07-RS	TP-08-RS	TP-09-RS	TP-10-RS
Inorganics (ug/L)										
Aluminum	**31.0 JBK**	**26.2 JBK**	**32.7 JBK**	**37.2 JBK**	21.1 U	21.1 U	21.1 U	**49.3 JBK**	21.1 U	**65.2 JBK**
Calcium	**216 JBH**	**169 JBH**	**243 JBH**	**407 JBH**	**168 JBH**	**191 JBH**	**200 JBH**	**464 JBH**	**215 JBH**	**149 JBH**
Copper	2.6 U	2.6 U	2.6 U	**2.7 JBK**	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Iron	17.1 U	17.1 U	17.1 U	17.1 U	17.1 U	17.1 U	17.1 U	17.1 U	17.1 U	17.1 U
Lead	1.9 U	**3.1**	1.9 U	1.9 U	1.9 U	**2.6 JBK**	1.9 U	1.9 U	**2.7 JBK**	1.9 U
Manganese	**0.69 JBK**	**0.72 JBK**	**0.81 JBK**	**1.6 JBK**	**0.60 JBK**	**0.60 JBK**	0.50 U	**0.68 JBK**	**1.5 JBK**	**0.75 JBH**
Mercury	**0.18 JBK**	**0.73**	**0.32**	**0.58**	**0.21**	**0.55**	**0.30**	**0.36**	**0.30**	**0.44 JL**
Potassium	**109 JBK**	**88.3 JBK**	**100 JBK**	**113 JBK**	**45.4 JBK**	**64.9 JBK**	**57.4 JBK**	**114 JBK**	**41.1 JBK**	**88.1 JBK**
Sodium	**109 JBK**	**194 JBK**	**224 JBK**	**138 JBK**	104 U	**118 JBK**	104 U	**259 JBK**	**147 JBK**	391 UJK
Zinc	**5.5 JBK**	**6.2 JBK**	**9.0 JBK**	**10.4 JBK**	**4.8 JBK**	**6.4 JBK**	**7.6 JBK**	**11.3 JBK**	**7.8 JBK**	1.7 UJK
SVOCs (ug/L)										
Bis(2-ethylhexyl)phthalate	10 U	10 U	10 U	10 U	**1.0 JQK**	10 U	**6 JQK**	10 U	**1 JQK**	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
VOCs (ug/L)										
Acetone	**8 JQK**	**7 JQK**	**10**	**8 JQK**	**5 JQK**	**3 JQK**	12 U	14 U	11 U	**5 JQK**
Chloroform	**1 JQK**	**1 JQK**	10 U	10 U	10 U	10 U	10 U	**1 JQK**	**1 JQK**	10 U
Methylene Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pesticides/PCBs (ug/L)										
Endrin Ketone	**0.0036 JQK**	0.095 U	0.096 U	0.096 U	0.095 U	0.12 U	0.1 U	0.095 U	0.1 U	0.1 U

Key at the end of the table.

Table 4-2 (CONTINUED)

RINSATE SAMPLES
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99224184	99224249	99234261	99244664	99234363	99234379	99234398	99244506	99234325	99244630
CLP Inorganic Number	MJAG27	MJR321	MJR325	MJAG10	MJAF97	MJAG00	MJAG05	MJAG09	MJAG41	MJAG53
CLP Organic Number	JP190	JP163	JP167	JP395	JP382	JP389	JP391	JP394	JP218	JP244
Location ID Number	TP-11-RS	TP-12-RS	TP-13-RS	TP-19-RS	TS-14-RS	TS-15-RS	SM-17-RS	SM-18-RS	EP-16-RS	BG-20-RS
Inorganics (ug/L)										
Aluminum	**70.9 JBK**	**67.1 JBK**	**22.5 JBK**	**26.5 JBK**	**7.1 JBK**	**35.6 JBK**	**39.4 JBK**	51.4 U	**22.6 JBK**	21.1 UJK
Calcium	**104 JBH**	**298 JBH**	**214 JBH**	**369 JBK**	**182 JBH**	**190 JBH**	**897 JBH**	**123 JBK**	**466 JBH**	**60.0 JBK**
Copper	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Iron	17.1 U	17.1 U	17.1 U	17.1 U	**31.3 JBK**	17.1 U	**73.2 JBK**	50.2 U	**74.5 JBK**	97.2 U
Lead	1.9 U	1.9 U	1.9 U	**2.2 JBK**	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Manganese	0.50 UJK	0.50 UJK	0.50 U	0.50 U	0.50 UJK	0.50 U	**1.4 JBK**	1.7 U	**0.82 JBK**	2.2 U
Mercury	**0.31 JL**	**0.23 JL**	0.10 U	**0.95**	**6.3 JL**	0.10 U	0.10 U	0.10 U	**2.0**	0.23 UJK
Potassium	**86.1 JBK**	**78.9 JBK**	**35.3 JBK**	**63.0 JBK**	**93.4 JBK**	**37.2 JBK**	64.7 U	**41.3 JBK**	48.0 U	**54 JBK**
Sodium	**396 JBH**	**325 JBH**	**160 JBK**	104 U	**325 JBH**	104 U	104 U	104 U	104 U	320 U
Zinc	1.7 UJK	1.7 UJK	**4.2 JBK**	**9.4 JBK**	**10.9 JBL**	**2.8 JBK**	**14.8 JBK**	**4.1 JBK**	**9.8 JBK**	**4.0 JBK**
SVOCs (ug/L)										
Bis(2-ethylhexyl)phthalate	10 U	10 U	10 U	**78**	10 UJK	10 U	**16**	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	**0.9 JQK**	10 UJK	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	**0.7 JQK**	10 U	10 U	10 U	10 U	10 U	10 U
VOCs (ug/L)										
Acetone	**6 JQK**	**6 JQK**	10 U	10 UJK	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	**1 JQK**	10 U	**2 JQK**	10 U	10 U	10 U	10 U	**1 JQK**	10 U
Methylene Chloride	10 U	**3 JQK**	10 U	**180**	10 U	10 U	10 U	10 U	10 U	10 U
Pesticides/PCBs (ug/L)										
Endrin Ketone	0.1 U	0.096 U	0.1 U	0.1 U	0.095 U	0.095 U	0.1 U	0.1 U	0.098 U	0.1 U

Key at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.

Key:

B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
BG = Background.
CLP = Contract Laboratory Program.
EP = End-painting facility.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
ug/L = Micrograms per liter.
PCBs = Polychlorinated biphenyl compounds.
PS = Treated pole storage area.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
RS = Rinsate sample.
SM = Sawmill.
SVOCs = Semivolatile organic compounds.
TP = Treatment plant.
U = The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for, but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOCs = Volatile organic compounds.
WP = White pole storage area.

Table 4-3

AIR SAMPLE FIELD BLANKS
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Inorganic Sample Number	99080217	99080235	99080253	99080271	99080287	99080304	99080321
Inorganic Location ID Number	H8082299	H8082399	H8082499	H8082599	H8082699	H8082799	H8082899
EPA Organic Sample Number	99080207	99080227	99080243	99080263	99080279	99080296	NC
Organic Location ID Number	P8082299	P8082399	P8082499	P8082599	P8082699	P8082799	NC
Inorganics (ug/filter)							
Chromium	**1.8 JL**	**0.48 JB**	**1.6 JL**	**0.47 JB**	**0.24 J**	**1.7 JL**	**0.3 JB**
Lead	**0.19**	0.11 U	**0.14 JB**	**0.19**	**0.13 J**	**0.18 JL**	**0.24 JL**
SVOCs (ug/filter)							
2-Methylnaphthalene	1 U	**2.7**	1 U	1 U	1.4 U	1 U	NC
Naphthalene	1 U	**3**	1 U	1 U	3.7 U	1 U	NC

Note: Bold type indicates concentrations above sample quantitation limits or detection limits.
Only results for compounds which were detected in at least one sample were reported.

Key:

B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
EPA = United States Environmental Protection Agency.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
L = Low bias.
ug/filter = Micrograms per filter.
NC = Not collected.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

Table 4-4

ESAT FIELD SCREENING ANALYTE LIST
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

Analyte	Instrument Detection Limits (µg/kg)
Pentachlorophenol	1000
Acenaphthene	2000
Acenaphthylene	2000
Anthracene	2000
Benzo(a)anthracene	2000
Benzo(a)pyrene	2000
Benzo(g,h,i)perylene	2000
Benzo(b)fluoranthene	2000
Benzo(k)fluoranthene	2000
Chrysene	2000
Dibenz(a,h)anthracene	2000
Fluoranthene	2000
Indeno(1,2,3-cd)pyrene	2000
Naphthalene	2000
Phenanthrene	2000
Pyrene	2000

Key:

ESAT = Environmental Services Assistance Team.
µg/kg = Micrograms per kilogram.

Figure 4-1
Comparison of Fixed Laboratory and Field Screening Results for Pentachlorophenol

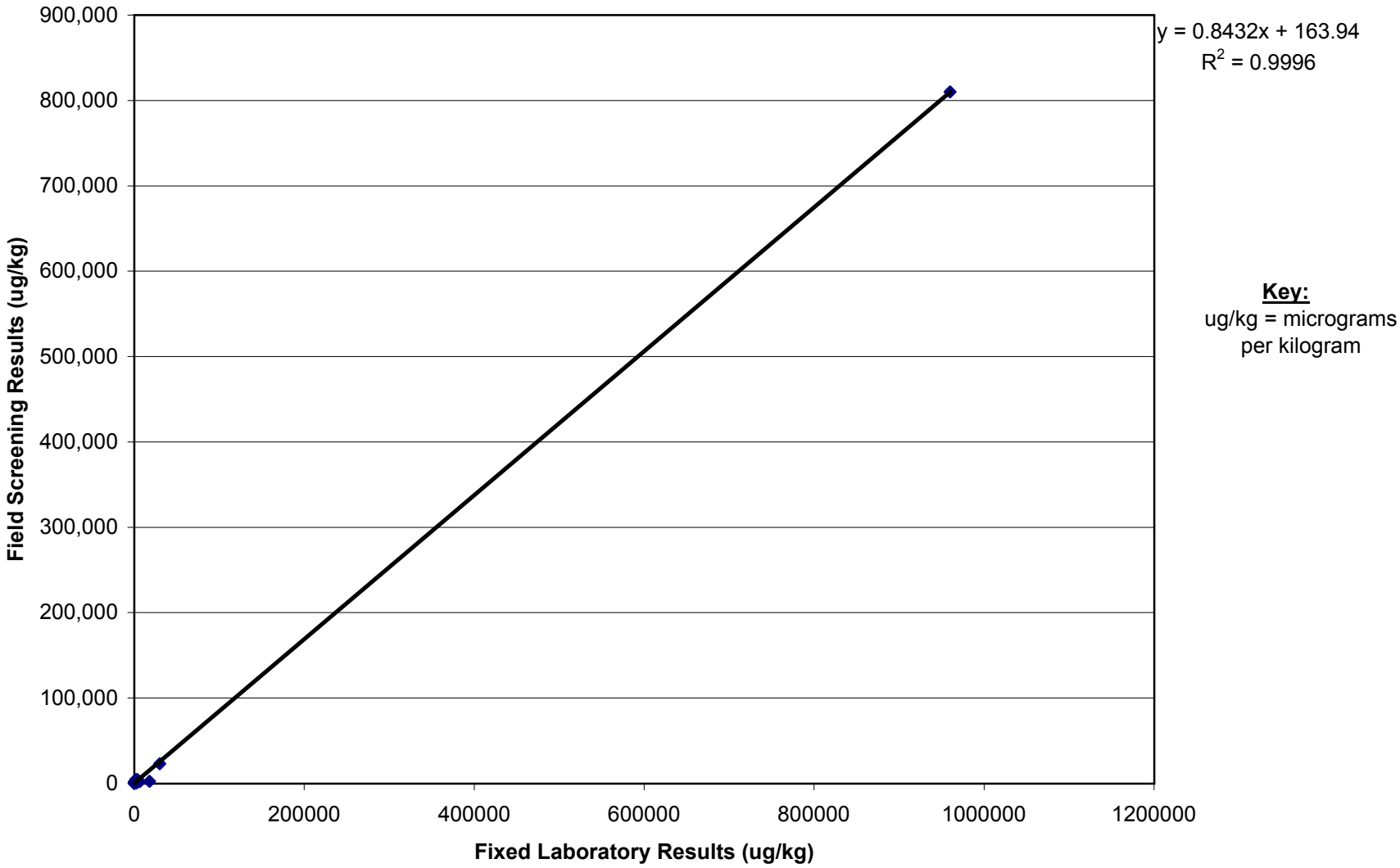


Figure 4-2
Comparison of Fixed Laboratory and Field Screening Results for Phenanthrene

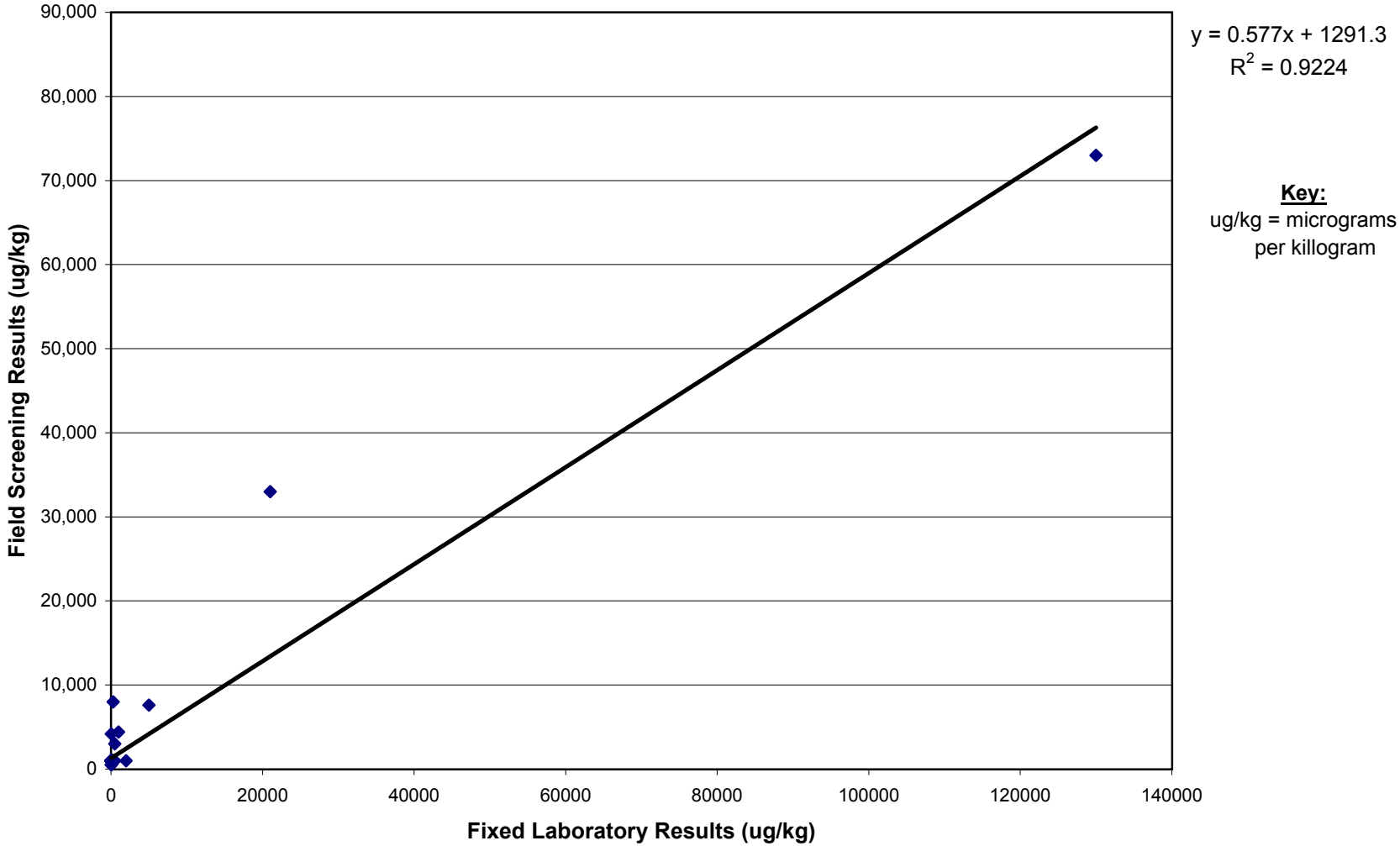
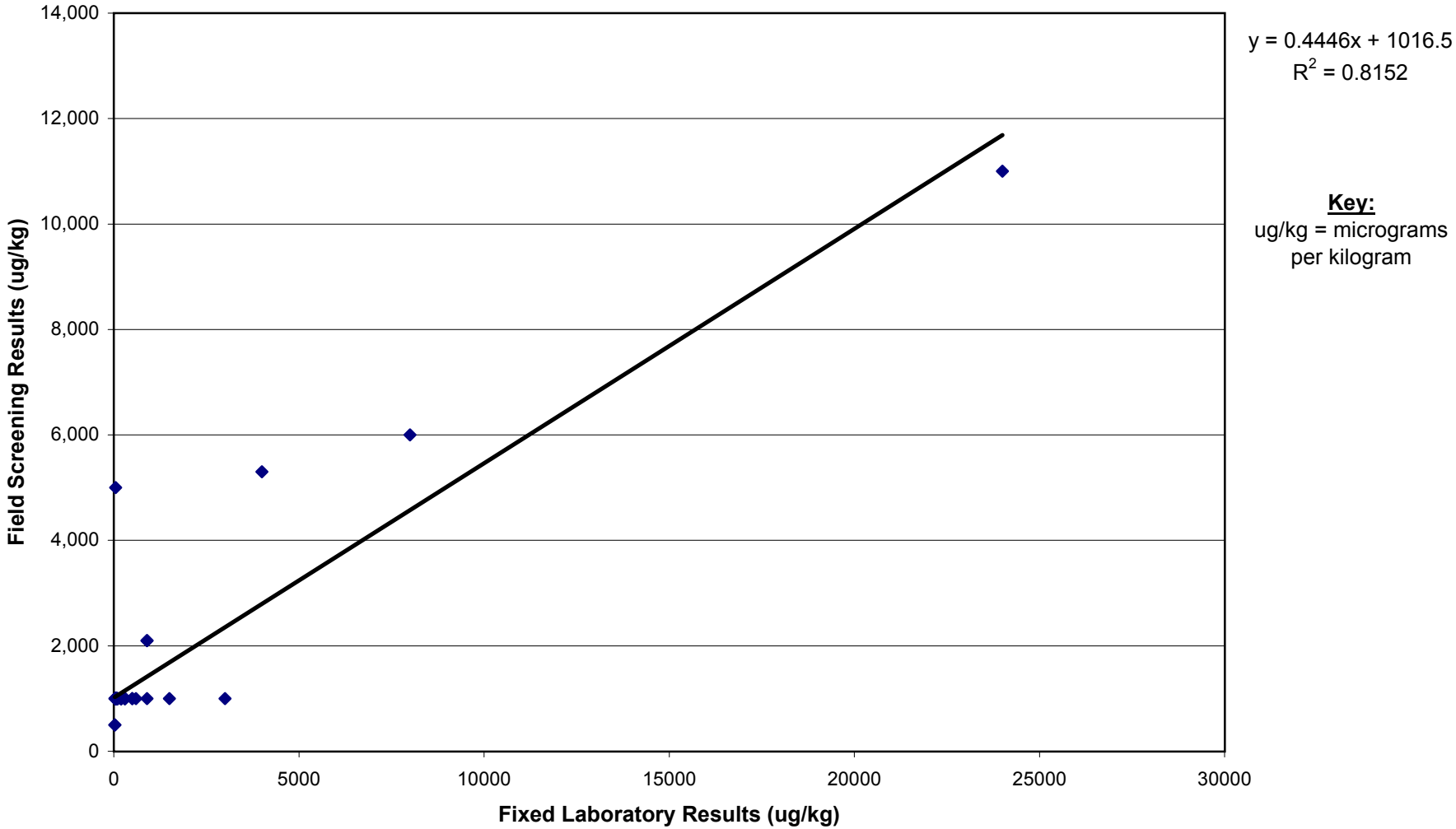


Figure 4-3
Comparison of Fixed Laboratory and Field Screening Results for Chrysene



5. ANALYTICAL RESULTS REPORTING AND BACKGROUND SAMPLES

This section describes the reporting and methods applied to field screening results, contracted laboratory, and EPA CLP analytical results presented in Sections 6 and 7 of this report and discusses background locations and sample results. Table 3-1 lists all samples collected for laboratory analysis.

Analytical results from contracted and EPA CLP laboratories are presented in the summary tables in Sections 6 and 7 and show all compounds detected above laboratory detection limits (DLs) in bold type. Field screening analytical results are similarly presented in Appendix F. Analytical results indicating significant concentrations of contaminants in source samples (Section 6, Appendix F) with respect to background concentrations are shown underlined and in bold type. Similarly, analytical results indicating elevated concentrations of contaminants in target samples (Section 7) with respect to background concentrations also are underlined and in bold type.

5.1 ANALYTICAL RESULTS EVALUATION CRITERIA

Field screening analytical results were assessed using slightly different evaluation criteria than START-subcontracted commercial laboratory and EPA CLP analytical results due to the nature of the screening analysis (e.g., higher instrument detection limits and less-stringent QA/QC requirements). Field screening was performed only on potential source samples; therefore, these results are discussed only in Section 6. In general, field screening results were used to document potential source size, extent of contamination, and to support and enhance conclusions based on EPA CLP and contract laboratory results.

5.1.1 Field Screening Analytical Results Evaluation Criteria

For the purpose of this investigation, significant field screening concentrations in source samples are:

- Equal to or greater than the analyte's IDL presented in Table 4-1; and
- Equal to or greater than the background sample's contract required quantitation limit (CRQL)/contract required detection limit (CRDL) or SQL when the background concentration is below detection limits; or
- At least three times greater than the background concentration when the background concentration equals or exceeds the CRQL/CRDL or SQL.

Although the analytical summary tables list all detected analytes, only those meeting the evaluation criteria presented above are discussed in the following sections. Since no field screening analysis was performed on the background samples, CLP or START-subcontracted commercial laboratory background results were used to compare with field screening source sample results. In all cases, the CLP and START-subcontracted commercial laboratory background sample's CRQL/CRDL or SQL was lower than the field screening IDLs presented in Table 4-1.

5.1.2 EPA CLP and START-Subcontracted Laboratory Analytical Results Evaluation Criteria

For the purposes of this investigation, significant/elevated concentrations in EPA CLP and START-subcontracted commercial laboratory samples are those concentrations that are:

- Equal to or greater than the CRQL/CRDL or the SQL when a non-CLP laboratory was used; and
- Equal to or greater than the background sample's CRQL/CRDL or SQL when the background concentration is below detection limits; or
- At least three times greater than the background concentration when the background concentration equals or exceeds the detection limit.

The analytical summary tables in Sections 6 and 7 present all detected compounds, but only those detected analytes at potential sources or in targets meeting the significant/elevated concentration criteria are discussed in the report text. All detected concentrations are discussed for background samples.

For analytical results that are qualified as estimated, the sample concentration was adjusted as described in *Using Qualified Data to Document an Observed Release and Observed Contamination* (EPA 1996) before determining whether the concentration was significant/elevated. The tables in Sections 6 and 7 provide adjusted concentrations in parentheses. For comparison purposes, the CRQL/CRDL is provided in parenthesis for background results that are qualified because they are below the CRQL/CRDL when the analyte is detected in target samples. When samples were diluted for re-analysis at a laboratory, the dilution results were considered for evaluation and are provided in the tables. All hazardous substances detected using EPA CLP and START-subcontracted commercial laboratory results at source and target locations and meeting evaluation criteria can be used to document an observed release from the site to the target.

5.1.3 Sample Results Reporting

When four or more analytes are detected or are significant or elevated for an analytical suite (for example, VOCs or TAL metals) in Sections 6 and 7, the number of such analytes and the concentration

ranges are given. When three or fewer analytes are detected or are significant or elevated for an analytical suite, the specific analyte and its concentration are provided. Based on EPA, Region 10, policy, evaluation of aluminum, calcium, iron, magnesium, potassium, and sodium (common earth crust elements) generally is employed only in water mass tracing, which is beyond the scope of this report. For this reason, these elements will not be discussed in this report.

In general, results for analytical suites are reported on separate tables for each source or target area for the following reasons. Samples were not analyzed for all analytical suites (SVOCs, TAL metals, VOCs, pesticides/PCBs, dioxin, and SVOCs) by field screening, but rather, suites were selected for each sample based on its location. The selection of suites for sample analysis was made with concurrence from the EPA TM and SAM. In addition, for many source and target areas, a majority of analytes on the TALs and target compound lists (TCLs) were detected resulting in lengthy tables. For some source and target areas, when fewer analytes were detected, analytical suites were combined into one table.

For field screening results, not all individual sample results will be discussed due to the large number of samples collected. Rather, field screening results will be evaluated to determine whether they are in agreement with EPA CLP and START-subcontracted commercial laboratory results.

5.2 BACKGROUND SAMPLES

Background samples were collected for each of the naturally occurring media from which IA samples were collected. Those media are surface soil, subsurface soil, groundwater, sediment, surface water, and ambient air. Results for the appropriate background sample(s) are shown in the first column(s) in the analytical results summary tables in Sections 6 and 7 for comparison against source or target results.

5.2.1 Background Surface and Subsurface Soil

5.2.1.1 Sample Locations

Two background boreholes, BG-01 and BG-02, were drilled to 18 feet and 20 feet bgs, respectively. Surface and subsurface samples were collected from each 2-foot interval.

BG-01 was located in the white pole storage area on gravel fill similar to that found across the site (Figure 3-1). While the location for BG-01 appears to be in a non-impacted area, significant concentrations of several contaminants, including inorganic elements, SVOCs, and dioxins, were observed in the surface soil sample and several of the subsurface soil samples collected from BG-01. Therefore, samples collected from this borehole were not used as background samples, but are discussed as white pole storage area source samples in Section 6. Surface soil sample WP-07-SS-00, located in the white pole storage area, was used instead as a background sample for the gravel fill material (Figure 3-1).

This background soil type matched those of surface samples collected on site where gravel fill was present. Gravel fill was observed across the site to a maximum depth of 2 feet bgs.

BG-02 was located in an open field north of the boiler ash and bioremediated soil waste pile and was considered to be out of the range of influence of the TLT facility (Figure 3-1). The soil matrix of the surface soil sample matched the majority of surface soil samples collected from native material. Five other general soil types were encountered in background subsurface samples: clay, silt, sand, gravel (found in the shallow alluvial deposits), and siltstone (found below the alluvium). These matrices matched those of the majority of subsurface samples collected on site.

Analytical results for all of the background soil samples (WP-07-SS-00, BG-02-SS-00, and BG-02-SB-02 through BG-02-SB-18) were similar; therefore, background soil sample WP-07-SS-00 was used for evaluating all source and target soil sample results. Sample WP-07-SS-00 was selected for this purpose because analytical results associated with this sample were, in general, slightly higher than the rest of the background sample results. All background soil sample results are presented in Tables 5-1 and 5-2.

5.2.1.2 Sample Results

Twelve TAL metals were detected above CRDLs at concentrations ranging from 0.10 mg/kg (milligrams per kilogram) for mercury to 1070 mg/kg for manganese. Methoxychlor was detected in subsurface sample BG-02-SB-12 at 28 µg/kg. Nine dioxin and furan congeners were detected in eight samples at concentrations ranging from 0.78 ng/kg (nanograms per kilogram) for 1,2,3,4,6,7,8 HpCDF to 7650.317 ng/kg for OCDD. Total equivalence quotients (TEQs) ranged from zero to 28.7 (WP-07-SS-00). No VOC, SVOCs, or PCBs were detected above CRQLs.

5.2.2 Background Groundwater

5.2.2.1 Sample Locations

Two background groundwater samples were collected from monitoring wells MW-07S and MW07D located upgradient of the site on the western side of the truck maintenance shop (Figure 3-3). Monitoring well MW-7S was screened in the shallow alluvial aquifer and monitoring well MW-7D was screened in deeper siltstone aquifer. Analytical results from both of the samples collected from these wells, samples MW-7S-GW and MW-7D-GW, were similar to each other (MW-7S-GW had, in general, slightly higher contaminant concentrations). Therefore, sample MW-7S-GW was used for evaluating all downgradient groundwater samples. All background groundwater sample results are presented in Table 5-3.

5.2.2.2 Sample Results

Two TAL metals, manganese (871 µg/L), and mercury (0.38 µg/L), were observed in background sample MW-7S-GW above CRDLs. Three TAL metals, barium (523 µg/L), manganese (293 µg/L), and mercury (1.4 µg/L), were observed in background sample MW-7D-GW above CRDLs. No VOCs, SVOCs, pesticides/PCBs, or dioxin and furan congeners were detected in background groundwater samples above CRQLs.

5.2.3 Background Stormwater Ditch Sediment

5.2.3.1 Sample Locations

Three background sediment samples were collected north of the TLT facility: one in the Rock Creek Road ditch (RCD-SD-12), approximately 50 feet upstream of the main office; one in the north ditch (ND-02-SD), at the northern boundary of the truck maintenance shop; and one in the Sheridan Forest Products ditch (SD-04-SD), immediately northeast of the sawmill facility (Figure 3-4). The background sediment sample matrices matched the samples collected on and downstream of the site. No background surface water samples were collected from stormwater ditches because insufficient water was present at the time of sampling.

Analytical results for all three of the background sediment samples were similar with sediment sample SD-02-SD having, in general, the highest contaminant concentrations. Therefore, this sample was used for evaluating all on-site and downstream stormwater ditch sediment sample results. All background soil sample results are presented in Table 5-4.

5.2.3.2 Sample Results

Ten TAL metals were detected above CRDLs at concentrations ranging from 5.8 mg/kg (arsenic) to 2380 mg/kg (manganese). 4,4-DDE was detected in sample ND-02-SD at 33 µg/kg. Sample SD-04-SD contained 1,2,3,4,6,7,8 HpCDF at 7.696 ng/kg, OCDD at 63.682 ng/kg, and OCDF at 5.163 ng/kg with a TEQ of 0.146. Sample RCD-12-SD contained 1,2,3,4,6,7,8 HpCDF at 5.144 ng/kg and OCDF at 3.133 ng/kg with a TEQ of 0.0545. No VOC, SVOCs, or PCBs were detected above CRQLs.

5.2.4 Background River and Creek Sediment

5.2.4.1 Sample Locations

Two background sediment samples were collected: one from Rock Creek (RC-03-SD), approximately 70 feet upstream of the railroad trestle, and one from the South Yamhill River (YR-17-SD), approximately 0.6 mile upstream of the TLT facility (Figure 3-5). In addition, one sediment sample (YR-06-SD) was collected from an unnamed creek or stormwater ditch (not influenced by the site), which flows into the South Yamhill River approximately 3 miles downstream of the site, to

determine potential contamination contributions to the river from this creek/ditch. This sample was collected immediately above the confluence with the South Yamhill River (Figure 3-5). Sediment samples collected from Rock Creek were evaluated using only the background Rock Creek sample. Sediment samples collected from the South Yamhill River upstream of the confluence of the unnamed creek/stormwater ditch outfall were evaluated using only the background sample collected from the South Yamhill River (YR-17-SD). South Yamhill River sediment collected downstream of this creek/ditch were evaluated using both the South Yamhill River background sample and the sample from the creek/ditch. The background sample matrices matched the downstream sample matrices.

5.2.4.2 Sample Results

Ten TAL metals were detected above CRDLs, ranging from concentrations of 7.3 mg/kg (arsenic) to 11,300 mg/kg (manganese). Ten dioxin and furan congeners were detected at concentrations ranging from 1.289 ng/kg (2,3,4,7,8-PeCDF) to 3621 ng/kg (OCDD). TEQs ranged from 0.27 to 24.7. No VOCs, SVOCs, or pesticides/PCBs were detected above CRQLs from the background river and creek sediment sample.

5.2.5 Background Surface Water

5.2.5.1 Sample Locations

Three background surface water samples were collected: one from Rock Creek (RC-03-SW); one from the South Yamhill River (YR-17-SW); and one from the unnamed creek or stormwater ditch (YR-06-SD). These samples were co-located with their respective sediment samples (Figure 3-5). Downstream surface water samples collected in Rock Creek and the South Yamhill River were compared to background samples in the same manner as described for sediments collected from these same locations.

During the field event, surface water was not present at most of the stormwater ditch sediment sample locations and was absent from the background drainage ditch sediment sample locations. For this reason, drainage ditch surface water samples that were collected were compared to the background surface water sample collected from Rock Creek (RC-03-SD) for evaluation purposes.

5.2.5.2 Sample Results

One TAL metal, manganese (1040 µg/L), was detected above the CRDL in sample YR-05-SW. Mercury was detected in all three samples at 0.35 µg/L (YR-17-SW), 0.47 µg/L (YR-05-SW), and 0.24 µg/L (RC-03-SW). One pesticide, 4,4-DDT at 0.32 µg/L, and one VOC, methylene chloride at 120 µg/L, were detected in sample YR-17-SW. No SVOCs, PCBs, or dioxin and furan congeners were detected above CRQLs in the background surface water samples.

5.2.6 Background Ambient Air

5.2.6.1 Sample Locations

Upwind background sample locations were determined on a day-by-day basis using meteorological data collected on site. The wind speed and wind direction data were converted to daily wind roses for the 24-hour time period starting at 0700, which coincides with the daily 24-hour sampling period. Daily wind roses are present on Figure 3-6. The prevailing wind direction during the sampling event was generally westerly to southwesterly following the South Yamhill River Valley with speeds averaging from 5 to 10 miles per hour (mph). The area experiences a diurnal shift in wind direction during the night and early morning hours, in which the prevailing wind direction is easterly and northeasterly with winds speeds averaging from 1 to 3 mph (E & E 1990).

Based on meteorological data collected during the three months prior to the field event, sampler stations were placed to ensure an appropriate background sample could be collected in the event of variable or unusual winds. To that end, a distant background sampler station (A7) was located approximately 0.75 mile northwest of the site, near the main gate of the Delphian School property (Figure 3-6).

Two additional background locations were selected based on normal prevailing winds (westerly to southwesterly). Station A6, located at a residence approximately 0.25 mile west of the white pole storage area (Figure 3-6), was placed as a remote background sampler station and would account for possible upwind sources of contaminants not attributable to the site (from the Willamina area). Station A5 was placed adjacent to and upwind of the facility in the yard of a resident west of the white pole storage area. Station A5 was used as a background location when winds were solely from the west (Figure 3-6).

Although background sample locations A5, A6, and A7 were generally representative of site conditions (determined based on historical meteorological data), START evaluated prevailing wind direction and the direction of maximum wind gust daily to determine the appropriate background location(s) for each sample period. Prevailing wind direction was determined by a combination of wind speed and percent wind direction. For each day, the windrose (which displays the percentage of wind from each of 16 direction sectors and the associated range of wind speed) was examined. The direction with the highest wind speed and percent wind was chosen as the prevailing wind direction. If the highest wind speed was from multiple directions sectors, the median sector was chosen as the prevailing wind direction. For example, the prevailing wind direction for the August 24-25 sample period was southwest because the highest wind speed (0.6-2.1 meters per second [m/s]) was evenly distributed in four direction sectors (25 percent in each) ranging from west to southeast (Figure 3-6).

Daily windroses also display the direction of the maximum wind gust, which is important because TAL metals and SVOCs deposited in on-site surface soils become airborne as dust. Light winds

with low wind speed will blow dust that is already airborne (e.g., mechanically disturbed from vehicle traffic). However, dust generation from undisturbed surfaces requires higher wind speeds (or wind gusts). The minimum wind speed required to generate dust from undisturbed surfaces is dependent on the physical characteristics of the soil or surface material and the dust generated from it (e.g., particle size distribution, particle density, percent moisture, etc.). These physical characteristics may vary across an area of soil, as well as with meterological changes during the day. For example, dust would be more easily generated from surface soil having a distribution of smaller particle sizes and lower density than soil comprised of larger, heavier particles. By the same token, dust generation would tend to be less from wet soil than dry. On all but the first sampling period (August 22, 1999), the direction of the prevailing wind and maximum wind gust were similar; therefore, the prevailing wind direction was used to determine upwind and downwind sampler locations during each sample period because it was more representative of the sample period than the maximum wind gust. On August 22, 1999, the distant background station A7 was determined to be the upwind background location because the winds were variable (Figure 3-6): prevailing winds were predominantly from the west, but the highest wind gust was recorded in the opposite direction (from the east). Upwind background locations on the remaining days were determined as follows:

- On August 23, 1999, station locations A6 and A7 were determined to be the upwind background locations because the prevailing winds were from the south;
- On August 24, 1999, A6 was determined to be the upwind background location because the median prevailing winds were from the southwest (A7 was not selected due to variable winds from the southeast);
- On August 25, 1999, station locations A5, A6, and A7 were determined to be the upwind background locations because the prevailing winds were from the west;
- On August 26, 1999, station location A6 was determined to be the upwind background location because winds were variable from the south-southwest and southeast (A7 was not selected due to wind components from the southeast);
- On August 27, 1999, the distant station A7 was determined to be the upwind background location because prevailing winds were from the west-southwest (A6 was not selected due to wind components from the east-southeast); and
- On August 28, 1999, stations A6 and A7 were determined to be the upwind background location because the prevailing winds were from the south-southwest.

5.2.6.2 Sample Results

On August 22, 1999, two TAL metals, chromium (0.0006 micrograms per cubic meter [$\mu g/m^3$]) and lead (0.0019 $\mu g/m^3$), were detected above SQLs. Five SVOCs were detected above SQLs, ranging from concentrations of 0.0055 $\mu g/m^3$ (fluorene) to 0.0476 $\mu g/m^3$ (naphthalene).

On August 23, 1999, three TAL metals, arsenic (0.0003 μg/m^3), chromium (0.022 μg/m^3 and 0.009 μg/m^3), and lead (0.0024 μg/m^3 and 0.0014 μg/m^3), were detected above SQLs. Five SVOCs were detected above SQLs, ranging from 0.0054 μg/m^3 (fluorene) to 0.0306 μg/m^3 (naphthalene).

On August 24, 1999, three TAL metals, arsenic (0.0003 μg/m^3), chromium (0.001 μg/m^3), and lead (0.002 μg/m^3), were detected above SQLs. Five SVOCs were detected above SQLs, ranging from concentrations of 0.0047 μg/m^3 (fluorene) to 0.0399 μg/m^3 (naphthalene).

On August 25, 1999, two TAL metals, chromium (0.005 μg/m^3 and 0.0015 μg/m^3) and lead (0.006 μg/m^3 and 0.003 μg/m^3), were detected above SQLs. Five SVOCs were detected above SQLs, ranging from concentrations of 0.008 μg/m^3 (2-methylnaphthalene) to 0.0696 μg/m^3 (naphthalene).

On August 26, 1999, three TAL metals, arsenic (0.0004 μg/m^3), chromium (0.0017 μg/m^3) and lead (0.0024 μg/m^3), were detected above SQLs. Five SVOCs were detected above SQLs, ranging from concentrations of 0.0182 μg/m^3 (fluorene) to 0.1375 μg/m^3 (naphthalene).

On August 27, 1999, three TAL metals, arsenic (0.0003 μg/m^3), chromium (0.001 μg/m^3), and lead (0.027 μg/m^3), were detected above SQLs. Five SVOCs were detected above SQLs, ranging from concentrations of 0.0065 μg/m^3 (fluorene) to 0.0612 μg/m^3 (naphthalene).

On August 28, 1999, two TAL metals, chromium (0.001 μg/m^3 and 0.0003 μg/m^3) and lead (0.001 μg/m^3 and 0.0009 μg/m^3), were detected above SQLs. Five SVOCs were detected above SQLs, ranging from concentrations of 0.0046 μg/m^3 (fluorene) to 0.0328 μg/m^3 (naphthalene).

Table 5-1

BACKGROUND SOIL SAMPLES
SEMIVOLATILE ORGANIC, INORGANIC, AND VOLATILE ORGANIC COMPOUNDS
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99244621	99244622	99244623	99244624	99244625	99244626	99244627	99244628	99244629	99244631
CLP Organic Number	JP553	JP235	JP236	JP237	JP238	JP239	JP240	JP241	JP242	JP243	JP245
CLP Inorganic Number	MJAF90	MJAG44	MJAG45	MJAG46	MJAG47	MJAG48	MJAG49	MJAG50	MJAG51	MJAG52	MJAG54
Location ID Number	WP-07-SS-00	BG-02-SS-00	BG-02-SB-02	BG-02-SB-04	BG-02-SB-06	BG-02-SB-08	BG-02-SB-10	BG-02-SB-12	BG-02-SB-14	BG-02-SB-16	BG-02-SB-18
Depth	0 - 2 ft.	0 - 2 ft.	2 - 4 ft.	4 - 6 ft.	6 - 8 ft.	8 - 10 ft.	10 - 12 ft.	12 - 14 ft.	14 - 16 ft.	16 - 18 ft.	18 - 20 ft.
SVOCs (µg/kg)											
Pyrene	**70 JQK (100 U)**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Inorganics (mg/kg)											
Aluminum	**23700**	**30000**	**29300**	**28300**	**30600 JK**	**31400**	**25100 JK**	**20700 JK**	**21500 JK**	**22100 JK**	**15300 JK**
Antimony	13.3 UJK (26 U AC)	0.77 UJK (1.5 U AC)	R	R	0.64 UJK (1.3 U AC)	R	R	R	0.85 UJK (1.7 U AC)	R	R
Arsenic	**7.4**	**5.7**	**5.6**	**6.0**	**6.8 JL (12 AC)**	**6.4**	**4.3 JL (7 AC)**	**4.6 JL (8.004 AC)**	**4.7 JL (8 AC)**	**4.3 JL (7 AC)**	**13 JL (22 AC)**
Barium	**190**	**148**	**160**	**233**	**219**	**179**	**133**	**106**	**104**	**136**	**87.5**
Beryllium	**0.48 JBK (1.13 U)**	**0.90 JBK (1.4 U)**	**1.1 JBK (1.37 U)**	**1.3 JBK (1.32 U)**	**0.96 JBK (1.38 U)**	**0.92 JBK (1.39 U)**	**0.71 JBK (1.40 U)**	**0.67 JBK (1.22 U)**	**0.65 JBK (1.23 U)**	**0.67 JBK**	**0.86 JBK**
Calcium	**9090**	**3050 JK**	**3980 JK**	**4590 JK**	**5950 JL**	**6830 JK**	**6280 JL**	**6990 JL**	**7940 JL**	**8440 JL**	**13100 JL**
Chromium	**28**	**38.1 JL (49 AC)**	**37.9 JL (49 AC)**	**41.4 JL (53 AC)**	**54.2 JK (70 AC)**	**52.0 JL (67 AC)**	**32.3 JK (42 AC)**	**23.8 JK (31 AC)**	**20.4 JK (26 AC)**	**20.4 JK (26 AC)**	**26.9 JK (21 AC)**
Cobalt	**20.9**	**9.0 JBK (14.0 U)**	**5.8 JBK (6.84 U)**	**17.4**	**32.4**	**27.6**	**19.5**	**22.6**	**17.5**	**21.0**	**11.4 JBK**
Copper	**106 JH**	**46.9**	**44.5**	**45.4**	**74.5 JL (91 AC)**	**86.2**	**82.9 JL (101 AC)**	**111 JL (140 AC)**	**123 JL (150 AC)**	**105 JL (130 AC)**	**41.1 JL (50 AC)**
Iron	**47800**	**37000**	**37300**	**37500**	**53800**	**57000**	**44600**	**46500**	**43600**	**44100**	**30100**
Lead	**4.9**	**11.8 JL (17 AC)**	**9.4 JL (14 AC)**	**10.9 JL (16 AC)**	**7.8**	**6.3 JL (9 AC)**	**3.6**	**1.5**	**1.7**	**2.1**	**10.8**
Magnesium	**9310**	**3980 JK**	**4710 JK**	**6180 JK**	**8730 JL**	**9110 JK**	**7390 JL**	**8090 JL**	**7200 JL**	**7610 JL**	**7400 JL**
Manganese	**564 JH**	**206 JK (260 AC)**	**115 JK (140 AC)**	**682 JK (840 AC)**	**1070 JK (1300 AC)**	**979 JK (1210 AC)**	**582 JK (720 AC)**	**628 JK (780 AC)**	**0.10 JL (0.2 AC)**	**0.20 JL (0.4 AC)**	**0.14 JL (0.2 AC)**
Nickel	**41.6**	**16.9 JK (23 AC)**	**18.7 JK (25 AC)**	**37.3 JK (50 AC)**	**35.9 JL (48 AC)**	**35.4 JK (48 AC)**	**30.5 JL (41 AC)**	**33.2 JL (45 AC)**	**30.6 JL (41 AC)**	**29.7 JL (40 AC)**	**31.5 JL (42 AC)**
Potassium	966 U	**946 JBK**	**896 JBK**	**1000 JBK**	**1140 JBK**	**1040 JBK**	**814 JBK**	**553 JBK**	**685 JBK**	**811 JBK**	**2330**
Selenium	0.16 U	**1.3 JL (3 AC)**	**2.1 JL (5 AC)**	**0.95 JBL (1.32 U)**	**2.1**	0.84 UJK (2.0 U AC)	**2.9**	**2.7**	**2.2**	**2.5**	**3.0**
Silver	1.00 UJK (1.7 U AC)	**1.7 JBK (2.8 U)**	**1.9 JBK (2.7 U)**	**1.9 JBK (2.64 U)**	**2.3 JBK (2.75 U)**	**2.6 JBK (2.79 U)**	**2.1 JBK (2.80 U)**	**1.9 JBK (2.43 U)**	**2.0 JBK (2.46 U)**	**1.8 JBK**	**1.5 JBK**
Sodium	**1570**	**352 JBK**	**526 JBK**	**651 JBK**	**899 JBK**	**992 JBK**	**1090 JBK**	**1240**	**1440**	**1650**	**1090 JBK**
Vanadium	**98.2 JH**	**95.2 JL (130 AC)**	**89.6 JL (120 AC)**	**98.3 JL (130 AC)**	**157 JK (210 AC)**	**162 JL (220 AC)**	**119 JK (160 AC)**	**119 JK (160 AC)**	**114 JK (150 AC)**	**108 JK (140 AC)**	**51.2 JK (69 AC)**
Zinc	**81.1**	**58.2 JL (87 AC)**	**60.5 JL (91 AC)**	**69.8 JL (105 AC)**	**91.6 JL (137 AC)**	**86.1 JL (129 AC)**	**64.5 JL (97 AC)**	**61.0 JL (91 AC)**	**64.4 JL (97 AC)**	**61.4 JL (92 AC)**	**90.8 JL (136 AC)**
VOCs (µg/kg)											
Toluene	11 U	14 U	14 U	**2 JQK (14 U)**	14 U	14 U	13 U	13 U	12 U	12 U	11 UJK (20 U AC)

Key is at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
BG = Background.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
mg/kg = Milligrams per kilogram.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical value is the estimated sample quantitation limit.
VOCs = Volatile organic compounds.
WP = White pole storage area.

Table 5-2

BACKGROUND SOIL SAMPLES
PESTICIDE/PCB AND DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99244621**	**99244622**	**99244623**	**99244624**	**99244625**	**99244626**	**99244627**	**99244628**	**99244629**	**99244631**
CLP Organic Number	**JP553**	**JP235**	**JP236**	**JP237**	**JP238**	**JP239**	**JP240**	**JP241**	**JP242**	**JP243**	**JP245**
CLP Inorganic Number	**MJAF90**	**MJAG44**	**MJAG45**	**MJAG46**	**MJAG47**	**MJAG48**	**MJAG49**	**MJAG50**	**MJAG51**	**MJAG52**	**MJAG54**
Location ID Number	**WP-07-SS-00**	**BG-02-SS-00**	**BG-02-SB-02**	**BG-02-SB-04**	**BG-02-SB-06**	**BG-02-SB-08**	**BG-02-SB-10**	**BG-02-SB-12**	**BG-02-SB-14**	**BG-02-SB-16**	**BG-02-SB-18**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**2 - 4 ft.**	**4 - 6 ft.**	**6 - 8 ft.**	**8 - 10 ft.**	**10 - 12 ft.**	**12 - 14 ft.**	**14 - 16 ft.**	**16 - 18 ft.**	**18 - 20 ft.**
Pesticide/PCBs (µg/kg)											
4,4'-DDD	**0.19 JQK (3.8 U)**	4.7 U	4.5 U	4.4 U	4.4 U	4.3 U	4.2 U	4.2 U	3.7 U	3.7 U	3.7 U
4,4'-DDE	3.8 U	**2.9 JQK (4.7 U)**	4.5 U	4.4 U	4.4 U	4.3 U	4.2 U	4.2 U	3.7 U	3.7 U	4.2 U
4,4'-DDT	**0.25 JNL (3.2 AC)**	4.7 U	4.5 U	4.4 U	4.4 U	4.3 U	4.2 U	4.2 U	3.7 U	3.7 U	4.2 U
Methoxychlor	19 U	24 U	23 U	23 U	22 U	22 U	22 U	**28**	19 U	19 U	19 U
Dioxin/Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	**876.591**	**10.338 JK (103.38 AC)**	3.322 U	0.814 U	**2.217**	0.373 UJL (3.73 U AC)	0.87 U	**1.552**	**4.129**	0.38 U	0.265 U
1,2,3,4,6,7,8-HpCDF	**75.485**	**0.78 JK (7.8 AC)**	0.332 U	0.13 U	0.881 U	0.145 UJL (1.45 U AC)	0.258 U	0.297 U	**0.561**	0.303 U	0.207 U
1,2,3,4,7,8-HxCDD	**8.905**	0.56 UJL (5.6 U AC)	0.665 U	0.212 U	0.876 U	0.588 UJL (5.88 U AC)	0.301 U	0.333 U	0.225 U	0.397 U	0.616 U
1,2,3,6,7,8-HxCDD	**47.578**	0.377 UJL (3.77 U AC)	0.448 U	0.143 U	0.59 U	0.396 UJL (3.96 U AC)	0.202 U	0.224 U	0.151 U	0.267 U	0.415 U
1,2,3,7,8,9-HxCDD	**25.229**	0.432 UJL (4.32 U AC)	0.513 U	0.164 U	0.676 U	0.454 UJL (4.54 U AC)	0.232 U	0.257 U	0.173 U	0.306 U	0.475 U
1,2,3,7,8-PeCDD	**5.209**	0.469 UJL (4.69 U AC)	0.568 U	0.206 U	0.749 U	0.393 UJL (3.93 U AC)	0.374 U	0.293 U	0.186 U	0.297 U	0.313 U
2,3,4,7,8-PeCDF	**1.033**	0.321 UJL (3.21 U AC)	0.554 U	0.143 U	0.478 U	0.324 UJL (3.24 U AC)	0.168 U	0.159 U	0.121 U	0.187 U	0.255 U
OCDD	**7650.317**	**92.48 JK (924.8 AC)**	24.57 U	6.922 U	23.674 U	**4.352 JK (43.52 AC)**	7.558 U	11.195 U	**31.22**	3.236 U	**4.375**
OCDF	**304.405**	**4.275 JK (42.75 AC)**	1.773 U	0.31 U	1.356 U	0.396 UJL (3.96 U AC)	**1.392**	**0.923**	**3.327**	0.368 U	**1.306**
TEQ	**28.7**	**0.207**	0	0	**0.0222**	**0.004352**	**0.00139**	**0.0164**	**0.0814**	0	**0.00131**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.

Key:

AC = Adjusted concentration.
BG = Background.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
ng/kg = Nanograms per kilogram.
N = Tentatively identified compound.
PCBs = Polychlorinated biphenyls.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SB = Subsurface soil sample.
SS = Surface soil sample.
TEQ = Total equivalence factor.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical value is the estimated sample quantitation limit.
WP = White pole storage area.

Table 5-3

BACKGROUND GROUNDWATER SAMPLES ANALYTICAL RESULTS SUMMARY TAYLOR LUMBER AND TREATING SHERIDAN, OREGON

EPA Sample Number	**99224104**	**99224125**
CLP Inorganic Number	**MJR309**	**MJAH13**
CLP Organic Number	**JP148**	**JP305**
Location ID Number	**MW-7S-GW**	**MW-7D-GW**
SVOCs (µg/L)		
No compounds were detected.		
Inorganics (µg/L)		
Aluminum	**56.1 JBK**	**147 JBK**
Arsenic	**5.4 JBK (10 U)**	4.2 U
Barium	**191 JBK (200 U)**	**523**
Calcium	**126000**	**115000 JH**
Copper	**2.6 JBK (25 U)**	**4.1 JBK (25 U)**
Iron	**3410**	**1380**
Magnesium	**49700**	**33600**
Manganese	**871**	**293**
Mercury	**0.38**	**1.4**
Potassium	**2640 JBK**	**4570 JBK**
Silver	0.70 U	**1.3 JBK (10 U)**
Sodium	**350000**	**416000**
Zinc	**6.08 JBK (20 U)**	**9.9 JBK (20 U)**
VOCs (µg/L)		
No compounds were detected.		
Pesticides/PCBs (µg/L)		
No compounds were detected.		
Dioxins/Furans (pg/L)		
No compounds were detected.		

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.

Key:

B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
GW = Groundwater sample.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
µg/L = Micrograms per liter.
MW = Monitoring well.
PCBs = Polychlorinated biphenyls.
pg/L = Picograms per liter.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
VOCs = Volatile organic compounds.

Table 5-4

BACKGROUND STORMWATER DITCH SEDIMENT SAMPLES
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99234414**	**99234416**	**99244540**
CLP Organic Number	**JP344**	**JP346**	**JP457**
CLP Inorganic Number	**MJQ780**	**MJQ782**	**MJAG91**
Location ID Number	**RCD-12-SD**	**ND-02-SD**	**SD-04-SD**
SVOCs (µg/kg)			
No compounds were detected.			
Inorganics (mg/kg)			
Aluminum	**30700**	**18500**	**33400**
Antimony	27.4 UJK (54 U AC)	20.5 UJK (41 U AC)	R
Arsenic	**5.8**	**7.1**	**8.5**
Barium	**215**	**220**	**224**
Beryllium	1.0 U	0.92 U	**0.95 JBK (1.70 U)**
Calcium	**4750**	**3200**	**6650**
Chromium	**46.4**	**36.8**	**36.6**
Cobalt	**22.5 JBH (23.4 U)**	**28.1**	**52.6**
Copper	**44.9 JL (55 AC)**	**39.4**	**61.9**
Iron	**43300**	**36700**	**54200**
Lead	**21.7 JL (31 AC)**	**16.4 JL (24 AC)**	**11.7 JK (17 AC)**
Magnesium	**5710**	**3310**	**6150**
Manganese	**844 JK (1050 AC)**	**1010**	**2380**
Nickel	**27.9**	**27.7**	**29.6**
Potassium	**2450**	1470 U	**1230 JBK**
Selenium	0.84 U	0.73 U	**1.5 JBL (1.70 U)**
Silver	2.1 UJK (4 U AC)	1.6 U	**2.7 JBK (3.39 U)**
Sodium	**498 JBK**	195 U	**7620**
Vanadium	**128**	**103**	**121**
Zinc	**106**	**88.7**	**270 JL (400 AC)**
VOCs (µg/kg)			
Toluene	22 U	**2 JQK (18 U)**	18 U
Pesticides/PCBs (µg/kg)			
4,4'-DDD	7.2 U	**1.9 JQK (5.8 U)**	58 U
4,4'-DDE	**3.8 JQK (7.2 U)**	**33**	58 U
4,4'-DDT	**1.4 JQK (7.2 U)**	5.8 U	58 UJK (740 AC)
Dioxins/Furans (ng/kg)			
1,2,3,4,6,7,8-HpCDD	**5.144**	NA	**7.696**
OCDD	46.666 U	NA	**63.682**
OCDF	**3.133**	NA	**5.163**
TEQ	**0.0545**	NA	**0.146**
General Chemistry Parameters (%)			
Total Organic Carbon	**5.11**	**6.48**	**3.00**
Field Screening Results			
No compounds were detected.			

Key is at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.

Bold type indicates concentrations above the sample quantitation or detection limits.

Key:

AC	= Adjusted concentration.
B	= Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
H	= High bias.
ID	= Identification.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
L	= Low bias.
µg/kg	= Micrograms per kilogram.
mg/kg	= Milligrams per kilogram.
ng/kg	= Nanograms per kilogram.
NA	= Not analyzed.
ND	= North ditch.
PCBs	= Polychlorinated biphenyls.
Q	= Analyte detected below the adjusted Contract Required Quantitation Limits.
R	= Rejected.
RCD	= Rock Creek Road ditch.
SD-	= Sheridan Forest Products ditch.
-SD	= Sediment sample.
SVOCs	= Semivolatile organic compounds.
TEQ	= Total equivalence factor.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical value is the estimated sample quantitation limit.
VOCs	= Volatile organic compounds.

6. POTENTIAL SOURCES

This section describes sample locations and analytical results of IA samples obtained from potential sources. The sampling locations, sampling rationale, and analytical results are summarized in the following sections. Tables 6-1 through 6-30 summarize analytes detected at each potential source location investigated. Field screening analytical results are summarized in Appendix F in tables F-1 through F-7. Laboratory data sheets of analytical results for all samples are in Appendix E.

6.1 TANKS

Previous investigations and the START site visit identified two tank farms in the treatment plant facility: the P-9 oil tank farm and the ABC tank farm. These tanks are routinely used in the wood-treating process. The P-9 oil tank farm is located south of the retorts and consists of 13 ASTs with approximately 20,000-gallon capacities and secondary containment. These tanks contain base P-9 oil and approximately 5-percent-PCP-enriched oil. During an emergency response by the START in March 1999, cracks were observed in the secondary containment structure which had been patched previously (E & E 1999c). Further, a breach in the secondary containment structure was observed during an emergency response by START in September 1999 (E & E 1999d). The ABC tank farm is located north of the retorts and consists of three ASTs with approximately 25,000-gallon capacities and secondary containment. These tanks contain reclaimed creosote from the retort process.

6.1.1 Sample Locations

A total of three product samples (TK-01, TK-02, and TK-03) were collected from ASTs in the tank farm areas to determine potential contaminants associated with these sources. Two samples were collected from tanks in the P-9 Tank Farm south of the retorts: sample TK-02 was collected from a tank containing base P-9 oil, and sample TK-01 was collected from a tank containing PCP-enriched oil (Table 3-1). The third sample (TK-03) was collected from Tank A, which contained reclaimed creosote, in the ABC Tank Farm (Figure 3-1).

6.1.2 Sample Results

Sample results are summarized in Table 6-1. Fourteen SVOCs were detected above sample quantitation limits, ranging from 890,000 µg/kg (naphthalene) to 120,000,000 µg/kg (phenanthrene), in the tank samples. PCP was detected in TK-01 at 43,000,000 µg/kg (4.3 percent). Nine dioxin/furan

congeners were detected in the tank samples above sample quantitation limits ranging from 289.19 ng/kg (1,2,3,4,7,8-HxCDD) to 231,449 ng/kg (OCDD). TEQs for samples TK-01 and TK-02 were rejected due to extremely low internal standards recoveries. The TEQ for sample TK-03 was 938 ng/kg. The tank samples were not analyzed for metals, VOCs, or pesticides/PCBs.

6.2 CONTAMINATED SOIL SOURCES

Previous investigations and the START site visit identified a number of contaminated soil sources in both the west and east facilities. Wood-treating compounds may have migrated to surficial and subsurface soils from past and ongoing plant processes, especially in the west facility (treatment plant area). Contaminated soil sources also may be present in the east facility (sawmill area), either from areal deposition from west facility sources or from unknown past practices. Gravel fill (up to two feet thick) covers most areas in both the west and east facilities. In some areas, gravel fill is not present, and native soil is exposed at the surface.

6.2.1 West Facility

West facility contaminated soil sources include the treatment plant area, the treated pole storage area, the white pole storage area, and the truck maintenance shop.

6.2.1.1 Treatment Plant Facility

The treatment plant facility (approximately 570 feet by 800 feet) includes the P-9 oil and ABC creosote tank farms, retorts, drip pads, an evaporator, a spray pond, a shop, a solid PCP storage shed, and the old equipment storage area. In addition, approximately 6,000 cubic yards of contaminated soils from the retort drip pad excavation, covered by an asphalt cap, are located under the peeler (Figure 3-1). The total area of exposed soil in this facility is approximately 300,000 square feet (ft^2).

6.2.1.1.1 Sample Locations

A total of 27 surface soil and 108 subsurface soil samples were collected from 27 borings (TP-01 through TP-27) drilled in approximately 100-foot intervals in the treatment plant area (Figure 3-1). According to the SQAP, a total of 16 borings was originally designed in this area (E & E 1999e). The total number of borings was increased to delineate the extent of contamination in this area. Boreholes were drilled to a maximum depth of 26 feet, and samples were collected from surficial soils (TP-01-SS-00 through TP-27-SS-00) and subsurface soils (TP-01-SB-04 through TP-27-SB-11) in 2-foot intervals as described in Section 3. Boreholes TP-17 and TP-25 were drilled into the asphalt-capped contaminated soils under the peeler to a total depth of 12 and 18 feet, respectively (Figure 3-1).

6.2.1.1.2 Sample Results

Visibly contaminated soil, odors, and elevated organic vapors were prevalent throughout this area. Visible oil (NAPL) was observed in 13 subsurface soil samples collected from seven boreholes (TP-12, TP-14, TP-15, TP-16, TP-18, TP-19, and TP-26) at depths ranging from 6 to 20 feet bgs (Table 3-1). The extent of NAPL observed in subsurface soils by START was similar to that observed by MFA during the RCRA FI in 1996 (MFA 1997) and is illustrated in Figure 3-3. The extent of NAPL in subsurface soils appears to encompass an area of approximately 125,000 ft^2 (250 feet by 500 feet) with an average thickness of approximately 4 feet. Based on these observations, the total volume of NAPL-impacted subsurface soils is approximately 18,500 cubic yards.

Borehole sample results are summarized in Tables 6-2 through 6-4 and Table F-1. Surface soil sample results for selected compounds are presented in Figure 3-1. Sixteen SVOCs were detected at significant concentrations in eight surface soil samples ranging from 100 µg/kg (2-methylnaphthalene, benzo[a]anthracene, benzo[b]fluoranthene, benzoic acid, benzo[a]pyrene, chrysene, dibenzofuran, phenanthrene, fluoranthene, indeno[1,2,3-cd]pyrene, and pyrene) to 30,000 µg/kg (PCP). In general, field screening results for SVOCs were similar to fixed laboratory results. Field screening data detected nine SVOCs, ranging from 2,300 µg/kg (benzo[b]fluoranthene) to 66,700 µg/kg (PCP), at significant concentrations in five additional surface soil samples that were only analyzed by field screening methods. Six metals were detected at significant concentrations in eight surface soil samples ranging from 1.2 mg/kg (cadmium) to 1,470 mg/kg (copper). Three VOCs (2-butanone, acetone, and methylene chloride) were detected at significant concentrations in six surface soil samples ranging from 13 µg/kg (methylene chloride) to 140 µg/kg (acetone). These compounds are common laboratory contaminants; therefore, these results should be viewed with caution. No pesticides/PCBs were detected at significant concentrations in surface soil samples. Sixteen dioxins were detected at significant concentrations in 11 surface soil samples ranging from 1.076 ng/kg (2,3,7,8-TCDD) to 442,133.7 ng/kg (OCDD). Significant TEQs ranged from 108 to 1,265.3 ng/kg. In general, the highest concentrations of the surface soil contamination occurred in the southeast portion of the treatment plant facility.

Nineteen SVOCs were detected at significant concentrations in 11 subsurface soil samples ranging from 100 µg/kg (acenaphthylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, fluoranthene, phenanthrene, and pyrene) to 950,000 µg/kg (naphthalene). In general, field screening results for SVOCs in subsurface soil samples were similar to fixed laboratory results. Field screening data detected 13 SVOCs, ranging from 2000 µg/kg (acenaphthene) to 164,000 µg/kg (naphthalene), at significant concentrations in 30 additional subsurface soil samples that were only analyzed by field screening methods. Two metals were detected at significant concentrations in two subsurface soil samples: lead (15.5 mg/kg) and selenium (0.3 mg/kg adjusted concentration [AC]) were detected in sample TP-08-SB-22; and selenium (2.2 mg/kg) was detected in TP-25-SB-12.

Eight VOCs were detected at significant concentrations in three subsurface samples ranging from 27 µg/kg (ethyl benzene) to 490,000 µg/kg (naphthalene). Subsurface soil samples TP-15-SB-13 and TP-14-SB-13 were oily and were analyzed by a contracted laboratory that analyzed for more compounds than the EPA CLP laboratories, including isopropylbenzene, n-butylbenzene, sec-butylbenzene, t-butylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-chlorotoluene, 4-isopropyltoluene, and n-propylbenzene. These compounds were detected in samples TP-15-SB-13 and TP-14-SB-13 above sample quantitation limits in concentrations ranging from 770 µg/kg to 46,000 µg/kg. Background samples, which were analyzed by EPA CLP laboratories, were not analyzed for these compounds; therefore, the evaluation criteria described in Section 5 did not apply. In addition, three VOCs, 2-butanone, acetone, and methylene chloride, were detected in six samples ranging from 15 µg/kg (2-butanone) to 170 µg/kg (acetone). These compounds are common laboratory contaminants; therefore, these results should be viewed with caution.

One pesticide, beta-BHC (16 µg/kg), was detected at a significant concentration in one subsurface soil sample, TP-14-SB-02. No PCBs were detected at significant concentrations in subsurface soil samples. Sixteen dioxins were detected at significant concentrations in 14 subsurface soil samples ranging from 0.756 ng/kg (1,2,3,6,7,8-HxCDF) to 232,545.6 ng/kg (OCDD). Significant TEQs ranged from 266 ng/kg to 684.1 ng/kg.

In summary, significant concentrations of contaminants were detected in both surface and subsurface soils at the treatment plant facility. The most notable constituents in surface soils were SVOCs, metals, and dioxins. The most notable constituents in subsurface soils were SVOCs, metals, VOCs, and dioxins. Additionally, NAPL was observed in subsurface soils, generally in the lower portion of the alluvium and above the siltstone, which impacts approximately 18,500 cubic yards of soil.

6.2.1.2 Treated Pole Storage Area

The treated pole storage area is used to store poles after they have been treated with creosote in the retorts. Poles are transported from the retorts to this area by Pettibones. Poles are stacked on crossbeams so that they do not come in contact with the ground. Plastic sheeting is located under the poles in most areas, but the sheeting was observed by START to be torn in numerous places. Railroad tracks border this area on the north, and a railroad spur is located in this area for loading purposes. The treated pole storage area is an irregular area, approximately 570 feet by 800 feet, with a total area of approximately 450,000 ft^2.

6.2.1.2.1 Sample Locations

A total of 14 surface and 37 subsurface soil samples were collected from 14 borings (PS-01 through PS-14) drilled in approximately 200-foot intervals in the treated pole storage area (Figure 3-1).

Boreholes were drilled to a maximum depth of 22 feet, and samples were collected from surficial soils (PS-01-SS-00 through PS-14-SS-00) and subsurface soils (PS-01-SB-04 through PS-14-SB-13) in 2-foot intervals as described in Section 3.

6.2.1.2.2 Sample Results

Visibly contaminated soil, odors, and elevated organic vapors were prevalent in surficial soils throughout this area. Visible oil (NAPL) was observed in four subsurface samples collected from boreholes PS-06 and PS-08 at depths ranging from 8 to 18 feet bgs (Table 3-1).

Sample results are summarized in Tables 6-5 through 6-7 and Table F-2. Surface soil sample results for selected compounds are presented in Figure 3-1. Fourteen SVOCs were detected at significant concentrations in five surface soil samples, ranging from 100 µg/kg (benzo[a]anthracene, benzo[a]pyrene, and indeno[1,2,3-cd]pyrene) to 960,000 µg/kg (PCP). In general, field screening results for SVOCs were similar to fixed laboratory results. Field screening data detected 15 SVOCs, ranging from 3,300 µg/kg (pyrene) to 290,000 µg/kg (PCP), at significant concentrations in seven additional surface soil samples that were only analyzed by field screening methods. Six metals were detected at significant concentrations in five surface soil samples ranging from 2 mg/kg (selenium) to 731 mg/kg (copper). One VOC, acetone, was detected at significant concentrations in two surface soil samples: PS-11-SS-00 (60 µg/kg) and PS-12-SS-00 (79 µg/kg). This compound is a common laboratory contaminant; therefore, these results should be viewed with caution. Two pesticides/PCBs, alpha-BHC (5.5 µg/kg) and aroclor 1254 (250 µg/kg), were detected at significant concentrations in one surface soil sample (PS-01-SS-00). Ten dioxin/furans were detected at significant concentrations in six surface soil samples ranging from 1.33 ng/kg (2,3,7,8-TCDD) to 8,597,514 ng/kg (OCDD). Significant TEQs ranged from 397 ng/kg to 17,238 ng/kg.

Seven SVOCs were detected at significant concentrations in one subsurface soil sample (PS-14-SB-13), ranging from 100 µg/kg (fluorene) to 600 µg/kg (naphthalene). Three metals (beryllium, manganese, and selenium) were detected at significant concentrations in three subsurface soil samples: beryllium (1.6 mg/kg) in sample PS-03-SB-06; manganese (2020 mg/kg) in sample PS-13-SB-08; and selenium (1 mg/kg) in sample PS-12-SB-06. One VOC, acetone, was detected at significant concentrations in two samples: PS-03-SB-06 (120 µg/kg) and PS-04-SB-06 (75 µg/kg). No pesticides/PCBs or dioxins were detected at significant concentrations in subsurface soil samples.

In summary, significant concentrations of contaminants were detected in both surface and subsurface soils at the treated pole storage area, but were most prevalent in surface soils. The most notable constituents in surface soils were SVOCs, metals, and dioxin. The most notable constituents in subsurface soils were the SVOCs found in samples collected from one borehole PS-14 (Figure 3-1).

Additionally, NAPL was observed in subsurface soils collected from two boreholes, PS-06 and PS-08, which were located adjacent to the retorts (Figure 3-1).

6.2.1.3 White Pole Storage Area

The white pole storage area is located west of the treatment plant and the treated wood storage area. Untreated poles are stored on cross-beams over exposed soil. Poles are transported to and from the treatment plant area using Pettibones. Soils may have become contaminated from airborne particulate migration or by Pettibone traffic. The white pole storage area is approximately 600 feet by 900 feet with a total area of approximately 530,000 ft^2.

6.2.1.3.1 Sample Locations

A total of 14 surface and 34 subsurface soil samples were collected in this area. Thirteen borings (WP-01 through WP-13) were drilled in approximately 200-foot intervals in the white pole storage area (Figure 3-1). Boreholes were drilled to a maximum depth of 10 feet, and samples were collected from surficial soils (WP-01-SS-00 through WP-14-SS-00) and subsurface soils (WP-01-SB-04 through WP-13-SB-06) in 2-foot intervals as described in Section 3. In addition, borehole BG-01, initially drilled as a background location (samples BG-01-SS-00 and BG-01-SB-04 through BG-01-SB-16), is included in this area and was drilled to a total depth of 18 feet (Figure 3-1). Samples from this boring were found to contain significant contaminant concentrations. Areas of stained surficial soil were observed in the white pole storage area (Table 3-1).

6.2.1.3.2 Sample Results

Sample results are summarized in Tables 6-8, 6-9, and Table F-3. Eleven SVOCs were detected at significant concentrations in two surface soil samples ranging from 100 µg/kg (acenaphthene, benzo[k]fluoranthene, chrysene, and fluorene) to 6,600 µg/kg (PCP). Field screening results for SVOCs were similar to fixed laboratory results for surface soil samples. Four metals were detected at significant concentrations in two surface soil samples (BG-01-SS-00 and WP-13-SS-00) ranging from 1.5 mg/kg (selenium) to 338 mg/kg (nickel). Two VOCs, acetone (140 µg/kg) and 2-butanone (31 µg/kg), were detected at significant concentrations in one surface soil sample (WP-11-SS-00). These compounds are common laboratory contaminants; therefore, these result should be viewed with caution. Six pesticides/PCBs were detected at significant concentrations in one surface soil sample (WP-05-SS-00) ranging from 2.5 µg/kg (gamma-chlordane) to 26 µg/kg (methoxychlor). Thirteen dioxins were detected at significant concentrations in three surface soil samples ranging from 1.945 ng/kg (2,3,7,8-TCDF) to 188,995.6 ng/kg (OCDD). Significant TEQs ranged from 139 ng/kg to 851 ng/kg.

Three SVOCs, fluoranthene (100 µg/kg), PCP (1,300 µg/kg), and pyrene (100 µg/kg), were detected at significant concentrations in one subsurface soil sample (WP–03-SB-06). Field screening results for SVOCs were similar to fixed laboratory results for subsurface soil samples. Three metals, arsenic, selenium, and silver, were detected at significant concentrations in seven subsurface soil samples: arsenic (38.0 mg/kg) in BG-01-SB-02; silver (2.7 mg/kg) in BG-01-SB-06; selenium (1.3 mg/kg) in BG-01-SB-08; arsenic (71.8 mg/kg) and selenium (1.5 mg/kg) in BG-01-SB-10; selenium (2.1 mg/kg) in BG-01-SB-12; selenium (2.8 mg/kg) in BG-01-SB-14; and selenium (2.0 mg/kg) in BG-01-SB-16. One VOC, acetone, was detected at significant concentrations in three subsurface soil samples: BG-01-SB-02 at 48 µg/kg; WP-03-SB-02 at 110 µg/kg; and WP-09-SS-02 at 14 µg/kg AC. This compound is a common laboratory contaminant; therefore, these results should be viewed with caution. One pesticide/PCB, 4,4-DDE, was detected at significant concentrations in subsurface soil samples BG-01-SB-02 (10 µg/kg) and WP-09-SS-02 (25 µg/kg). No dioxins were detected at significant concentrations in any subsurface soil samples.

In summary, significant concentrations of contaminants were detected in both surface and subsurface soils at the white pole storage area, but they were most prevalent in surface soils. The most notable constituents in surface soils were SVOCs, metals, and dioxins. Subsurface soils contained SVOCs and metals as notable constituents .

6.2.1.4 On-Site Perimeter Surface Soil Samples

Surface soil samples were collected along the perimeter of the treatment plant, treated pole storage, and white pole storage areas to determine if contaminants from these areas potentially were migrating overland during rainfall events or whether airborne migration of contaminants was occurring.

6.2.1.4.1 Sample Locations

A total of 14 surface soil samples (OS-01-SS through OS-14-SS) were collected approximately every 200 feet from on-site perimeter locations along the southern, eastern, and western boundaries of the treatment plant, treated pole storage, and white pole storage areas. Samples OS-06-SS through OS-10-SS were collected along the southern boundary of the treatment plant adjacent to a ditch next to Highway 18B (Valley Highway ditch) (Figure 3-1). Sample OS-11-SS was collected along the eastern boundary of the treatment plant area adjacent to the Rock Creek Road ditch (Figure 3-1). Samples OS-12-SS through OS-14-SS were collected along the eastern boundary of the treated pole storage area upgradient of the Rock Creek Road ditch (Figure 3-1). Samples OS-01-SS and OS-02-SS were collected along the northern boundary of the treated pole storage area adjacent to the ditch south of the railroad tracks (South Railroad Ditch) (Figure 3-1). Samples OS-03-SS through OS-04-SS were collected along the northern

boundary of the white pole storage area adjacent to the ditch south of the railroad tracks (south railroad ditch) (Figure 3-1). Sample OS-04-SS was collected in an area of stained soil.

6.2.1.4.2 Sample Results

On-site perimeter surface soil sample results are summarized in Tables 6-10 and 6-11. Seventeen SVOCs were detected at significant concentrations in 11 surface soil samples ranging from 100 µg/kg (acenaphthylene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenzofuran, fluoranthene, fluorene, indeno[1,2,3-cd]pyrene, phenanthrene, and pyrene) to 14,000 µg/kg (chrysene). Eleven metals were detected at significant concentrations in 12 surface soil samples ranging from 0.10 mg/kg (mercury) to 5,660 mg/kg (manganese). No VOCs were detected at significant concentrations in surface soil samples. Pesticides/PCBs were detected at significant concentrations in two surface soil samples. Sample OS-09-SS contained 4,4-DDT at 130 µg/kg and beta-BHC at 13 µg/kg AC; and sample OS-04-SS contained beta-BHC at 79 µg/kg. Seventeen dioxins were detected at significant concentrations in 12 surface soil samples ranging from 0.40 ng/kg AC (1,2,3,7,8-PeCDF) to 840,847.9 ng/kg (1,2,3,4,6,7,8-HpCDD). Significant TEQs ranged from 91.4 ng/kg to 36,900 ng/kg.

In summary, significant concentrations of contaminants were detected in surface soils from the perimeter of the west facility. The most notable constituents in surficial soils were SVOCs, metals (including mercury), and dioxin.

6.2.1.5 Truck Maintenance Shop Facility

The truck maintenance shop is located north of the treated pole storage area and consists of a maintenance shop and storage area for planed wood products. This facility is triangular in shape and approximately 1,000 feet long by 300 feet wide with a total area of approximately 148,000 ft^2, not including building footprints.

6.2.1.5.1 Sample Locations

A total of six surface and 14 subsurface soil samples were collected from six borings (TS-01 through TS-06) drilled at approximately 150-foot intervals in the truck shop area (Figure 3-1). Boreholes were drilled to a maximum depth of 8 feet, and samples were collected from surficial soils (TS-01-SS-00 through TS-06-SS-00) and subsurface soils (TS-01-SB-04 through TP-06-SB-06) in 2-foot intervals as described in Section 3.

6.2.1.5.2 Sample Results

Sample results are summarized in Tables 6-12 and 6-13. Surface soil sample results for selected compounds are presented on Figure 3-1. No SVOCs, TAL metals, VOCs, PCBs, or dioxins were

detected at significant concentrations in surface soil samples. One pesticide, 4'4'-DDE (4.8 µg/kg), was detected at a significant concentration in surface soil sample TS-02-SS-00.

No SVOCs, VOCs, metals, pesticide/PCBs, or dioxins were detected at significant concentrations in the subsurface soil samples. No SVOCs were detected in surface or subsurface soil samples analyzed by field screening methods.

In summary, no significant concentrations of contaminants were detected in surface soils from the truck shop facility, and only limited significant concentrations of dioxins were detected in subsurface soils.

6.2.2 East Facility

East facility contaminated soil sources include the end-painting facility, the sawmill facility, and Sheridan Forest Products facility.

6.2.2.1 End-Painting Facility

The end-painting facility consists of a planing mill, boiler, and fire control pond. The facility is approximately 650 feet by 500 feet with approximately 40 percent of the surface covered by buildings and asphalt pavement. The total area of exposed soil is approximately 200,000 ft^2. Once boards are cut at the planing mill, the ends are painted for preservation. Contaminated soil was observed in this area during the LSI (E & E 1990).

During the field event, START observed oily water being discharged with a hose from the planing mill into an on-site stormwater ditch (Sawmill maintenance ditch; Figure 3-4) located north of the building. The hose was leaking, and oily water was observed spilling onto the ground east of the planing mill building. Surface water from this ditch flows east approximately 2,000 feet into the Sheridan Forest Products ditch, which flows south approximately 500 feet to the South Yamhill River. Oily sediments were observed throughout the length of the Sawmill maintenance ditch (Figure 3-4).

6.2.2.1.1 Sample Locations

A total of six surface and 17 subsurface soil samples were collected from six borings (EP-01 through EP-06) drilled at the end-painting facility (Figure 3-2). Boreholes were drilled to a maximum depth of 14 feet, and samples were collected from surficial soils (EP-01-SS-00 through EP-06-SS-00) and subsurface soils (EP-01-SB-04 through EP-06-SB-12) in 2-foot intervals as described in Section 3.

6.2.2.1.2 Sample Results

Sample results are summarized in Tables 6-14 through 6-16 and F-4. Surface soil sample results for selected compounds are presented on Figure 3-2. Two SVOCs, chrysene (900 µg/kg) and pyrene

(900 µg/kg), were detected at significant concentrations in one surface soil sample (EP-01-SS-00). Field screening results for SVOCs were similar to fixed laboratory results for surface soils samples. One metal, selenium (0.5 mg/kg AC) was detected at a significant concentration in one surface soil sample (EP-04-SS-00). One VOC, acetone (28 µg/kg), was detected at a significant concentration in one surface soil sample (EP-01-SS-00). This compound is a common laboratory contaminant; therefore, this result should be viewed with caution. No pesticides/PCBs were detected at significant concentrations in surface soil samples. One dioxin (1,2,3,4,7,8,9-HpCDF) was detected at a significant concentration in surface soil sample EP-03-SS-00 at 6.34 ng/kg. The TEQ for this sample is 31.3 ng/kg.

No SVOCs, pesticide/PCBs, or dioxins were detected at significant concentrations in subsurface soil samples. One metals, lead (17.9 mg/kg) was detected at significant concentrations in subsurface soil sample EP-05-SB-08. One VOC, acetone (50 µg/kg), was detected at a significant concentration in one surface soil sample (EP-01-SB-04). This compound is a common laboratory contaminant; therefore, this result should be viewed with caution.

In summary, limited significant concentrations of SVOCs, metals, and dioxins were detected in surface soils in the end-painting facility. Likewise, only limited significant concentrations of one VOC and one metal were detected in subsurface soils.

6.2.2.2 Sawmill Facility

The sawmill facility consists of a sawmill, log storage area, and main office. The railroad runs through this area and separates the sawmill and end-painting facilities. The sawmill facility is approximately 900 feet by 400 feet with a total area of 230,000 ft^2.

6.2.2.2.1 Sample Locations

A total of 10 surface and 29 subsurface soil samples were collected from 10 borings (SM-01 through SM-10) drilled in the sawmill facility (Figure 3-2). Boreholes were drilled to a maximum depth of 14 feet, and samples were collected from surficial soils (SM-01-SS-00 through SM-10-SS-00) and subsurface soils (SM-01-SB-04 through SM-10-SB-12) in 2-foot intervals as described in Section 3.

6.2.2.2.2 Sample Results

Sample results are summarized in Tables 6-18 and 6-19 and F-5. Surface soil sample results for selected compounds are presented on Figure 3-2. No VOCs, pesticides/PCBs, or dioxins were detected at significant concentrations in surface soil samples. One metal, silver (1.7 mg/kg) was detected at a significant concentration in one sample SM-05-SS-00. Phenanthrene (22,000 µg/kg) was detected at a significant concentration in one sample SM-07-SS-00 by field screening methods. SVOCs were not analyzed by fixed laboratory methods for this sample.

One SVOC, pyrene (200 µg/kg), was detected at significant concentrations in one subsurface soil sample (SM-07-SB-04). Field screening results for SVOCs were similar to fixed laboratory results for subsurface soil samples. Two metals were detected at significant concentrations in subsurface soil samples SM-02-SB-12 and SM-10-SB-04: silver (2 mg/kg) and selenium (0.3 mg/kg and 0.5 mg/kg, respectively). No VOCs, pesticides/PCBs, or dioxins were detected at significant concentrations in subsurface soil samples.

In summary, only limited significant concentrations of SVOCs and metals were detected in surface and subsurface soils.

6.2.2.3 Sheridan Forest Products Facility

Sheridan Forest Products facility is located east of the sawmill facility and consists of a chip plant currently owned by Sheridan Forest Products. This area was formerly owned by TLT. This facility is approximately 1,400 feet by 500 feet with approximately 50 percent of the surface covered by buildings and wood products. The total area of exposed soil at this facility is approximately 350,000 ft^2.

6.2.2.3.1 Sample Locations

A total of six surface and 18 subsurface soil samples were collected from six borings (SF-01 through SF-06) located at the Sheridan Forest Products facility (Figure 3-2). Boreholes were drilled to a maximum depth of 16 feet, and samples were collected from surficial soils (SF-01-SS-00 through SF-06-SS-00) and subsurface soils (SF-01-SB-04 through SF-06-SB-12) in 2-foot intervals as described in Section 3.

6.2.2.3.2 Sample Results

Sample results are summarized in Table 6-20. Surface soil sample results for selected compounds are presented on Figure 3-2. No metals, VOCs, or SVOCs were detected at significant concentrations any surface soil sample. One metal, thallium, was detected at a significant concentration (1.6 mg/kg) in subsurface soils ample SF-01-SB-04. No SVOCs or VOCs were detected at significant concentrations any subsurface soil sample. No SVOCs were detected in any samples analyzed by field screening methods. Pesticides/PCBs and dioxins were not analyzed for in any samples collected from this facility.

6.3 WASTE PILES

Two waste piles, including the boiler ash and UST bioremediated soil waste pile and the Moe's Mountain waste pile, are located in the west and east facilities, respectively . These waste piles are

composed of solid wastes generated during plant processes over the years of site operations. The waste piles constitute potential sources of contamination.

6.3.1 Boiler Ash and UST Bioremediated Soil Waste Pile

The boiler ash and UST bioremediated soil waste pile consists of waste ash from the boiler and soil (bioremediated for petroleum contamination) that was excavated during a UST removal. The pile is unlined and contains sparse to no vegetation. The total volume of the pile is estimated to be 5,800 cubic yards (approximately 600 feet by 65 feet by 4 feet high).

6.3.1.1 Sample Locations

A total of four surface and 11 subsurface soil samples were collected from four borings (AP-01 through AP-04) drilled at approximately 200-foot intervals (Figure 3-1). Boreholes were drilled to a maximum depth of 10 feet, and samples were collected from surficial soils (AP-01-SS-00 through AP-04-SS-00) and subsurface soils (AP-01-SB-04 through AP-04-SB-08) in 2-foot intervals as described in Section 3. Stained soil, ash, and debris were prevalent in this area.

6.3.1.2 Sample Results

Sample results are summarized in Tables 6-21 through 6-23 and F-6. Surface soil sample results for selected compounds are presented on Figure 3-1. Thirteen SVOCs were detected at significant concentrations in three surface soil samples, ranging from 100 µg/kg (benzo[b]fluoranthene and chrysene) to 18,000 µg/kg (PCP). Field screening results for SVOCs were similar to fixed laboratory results for surface soil samples. Five metals were detected at significant concentrations in three surface soil samples, ranging from 1.4 mg/kg (cadmium) to 326 mg/kg (manganese). One VOC, trichloroethene, was detected at significant concentrations (75 µg/kg and 34µg/kg) in two surface soil samples (AP-01-SS-00 and AP-04-SS-00, respectively). No pesticides/PCBs were detected at significant concentrations in surface soil samples. Six dioxins were detected at significant concentrations in all three surface soil samples ranging from 0.7 ng/kg AC (2,3,7,8-TCDD) to 115,221.4 ng/kg (OCDD). Significant TEQ ranged from 351.7 ng/kg to 1,732 ng/kg.

One SVOC, bis(2-ethylhexyl)phthalate (900 µg/kg), was detected at a significant concentration in subsurface soil sample AP-03-SB-04. Field screening results for SVOCs were similar to fixed laboratory results for subsurface soil samples. Two metals, beryllium (2.15 mg/kg) and lead (16.9 mg/kg), were detected at significant concentrations in two subsurface soil samples, AP-02-SB-08 and AP–04-SB-08, respectively. Three VOCs were detected at significant concentrations in two subsurface soil samples: trichloroethene (23 µg/kg), 2-butanone (16 µg/kg), and acetone (87 µg/kg) in sample AP-01-SB-04; and acetone (65 µg/kg) in sample AP-02-SB-04. Acetone and 2-butanone are common

laboratory contaminants; therefore, these results should be used with caution. Two pesticides/PCBs, 4,4-DDE (5.7 µg/kg) and 4,4-DDT (18 µg/kg), were detected at significant concentrations in subsurface soil sample AP-04-SB-04. One dioxin was detected at a significant concentration of 1647.405 ng/kg in subsurface soil sample AP-03-SB-04. The TEQ for this sample was 3.375 ng/kg.

In summary, significant concentrations of contaminants were detected in both surface and subsurface soils at the ash pile and UST bioremediated soil pile. The most notable constituents in surface soils were SVOCs, metals (including arsenic), trichloroethene, and dioxin. The most notable constituents in subsurface soils were trichloroethene and dioxins.

6.3.2 Moe's Mountain Waste Pile

Moe's Mountain waste pile consists of debris, wood waste, and other unknown solid waste deposited over the years of site operations. The total volume of Moe's Mountain is estimated to be 132,000 cubic yards (approximately 660 feet by 360 feet by 15 feet high); the pile is covered by a thick growth of blackberry bushes.

6.3.2.1 Sample Locations

A total of four surface and 18 subsurface soil samples were collected from four borings (MM-01 through MM-04) drilled in the Moe's Mountain waste pile (Figure 3-2). Boreholes were drilled to a maximum depth of 32 feet, and samples were collected from surficial soils (MM-01-SS-00 through MM-04-SS-00) and subsurface soils (MM-01-SB-04 through MM-04-SB-22) in 2-foot intervals as described in Section 3.

6.3.2.2 Sample Results

Sample results are summarized in Tables 6-25, 6-26, and F-7. Surface soil sample results for selected compounds are presented on Figure 3-2. One SVOC, chrysene (200 µg/kg), was detected at a significant concentration in one surface soil sample (MM-03-SS-00). Field screening results for SVOCs were similar to fixed laboratory results for surface soil samples. One metal, selenium (1.7 mg/kg) was detected at a significant concentration in surface soil sample MM-03-SS-00. No VOCs, pesticides/PCBs, or dioxins were detected at significant concentrations in surface soil samples.

Twelve SVOCs were detected at significant concentrations in two subsurface soil samples (MM-04-SB-04 and MM-04-SB-12), ranging from 1,000 µg/kg (acenaphthene, anthracene, benzo[a]anthracene, fluorene, and naphthalene) to 3,200 µg/kg (3- and 4-methylphenol coelution). Field screening results for SVOCs were similar to fixed laboratory results for subsurface soil samples. In addition, field screening data also detected one significant concentration of benzo(g,h,i)perylene at 2,020 µg/kg (sample MM-03-SB-04). Two metals, arsenic (108 mg/kg) and lead (26.7 mg/kg), were detected at

significant concentrations in subsurface soil sample MM-01-SB-30 and MM-04-SB-12, respectively. No VOCs, pesticides/PCBs, or dioxins were detected at significant concentrations in subsurface soil samples.

In summary, significant concentrations of contaminants were detected in both surface and subsurface soils collected from Moe's Mountain waste pile, but were most prevalent in subsurface soils. The most notable constituents in samples were SVOCs, arsenic, and lead.

6.4 SURFACE IMPOUNDMENTS

6.4.1 Oil/Water Separator Retention Ponds

Four oil/water separator retention ponds are located in the treatment plant area in the main stormwater ditch, immediately before the point at which it discharges at the main outfall to the Rock Creek Road ditch (Figure 3-3). Oil/water separators are located at the downstream end of each of the ponds. The purpose of these ponds is to retain oily stormwater and sediment through settling before the stormwater is passed through the oil/water separators. None of these ponds are lined, and all ponds are approximately 10 feet wide by 15 feet long and 2 feet deep.

During the field event, START personnel observed that the check valve in the oil/water separators was not regularly serviced or maintained. Operational failure of these check valve could result in the flooding of the oil/water separators and discharge of oily waste onto the ground and eventually to downstream ditches.

6.4.1.1 Sediment

6.4.1.1.1 Sample Locations

One sediment sample was collected from each of three of the retention ponds (MD-01-SD, MD-02-SD, and MD-03-SD; Figure 3-4). All samples were observed by START to be black and oily with petroleum-like odors.

6.4.1.1.2 Sample Results

Sample results are summarized in Tables 6-27 through 6-29. Sediment sample results for selected compounds are presented on Figure 3-4. Sixteen SVOCs were detected at significant concentrations in all three sediment samples ranging from 500 µg/kg (benzo[a]anthracene, indeno[1,2,3-cd]pyrene, and benzo[k]fluoranthene) to 58,000 µg/kg (PCP). Two metals were detected at significant concentrations in sediment samples. Arsenic was detected at 115 mg/kg (MD-01-SD), 397 mg/kg (MD-02-SD), and 58 mg/kg (MD-03-SD), and copper was detected at 976 mg/kg (MD-01-SD) and 5,515 mg/kg (MD-02-SD). No VOCs or pesticides/PCBs were detected at significant concentrations in these sediment samples. Twelve dioxins were detected at significant concentrations in sediment

samples ranging from 2.996 ng/kg (2,3,7,8-TCDD) to 3,959,307 ng/kg (OCDD). Significant TEQs ranged from 345 ng/kg to 14,000 ng/kg.

The most notable constituents detected in pond sediments were SVOCs (including PCP), arsenic, and dioxin.

6.4.1.2 Surface Water

6.4.1.2.1 Sample Locations

Two surface water samples (MD-01-SW and MD-02-SW) were co-located with their corresponding sediment samples in the oil/water separator retention ponds (Figure 3-4). During the field event, insufficient water was present for the collection of the third surface water sample. Surface water samples were observed to be oily.

6.4.1.2.2 Sample Results

Sample results are summarized in Table 6-30. One SVOC, bis(2-ethylhexyl)phthalate (18 µg/L), was detected at a significant concentration in surface water sample MD-02-SW. Five metals were detected at significant concentrations in both surface water samples (MD-01-SW and MD-02-SW) ranging from 5.4 µg/L (lead) to 437 µg/L (manganese). No VOCs or pesticides/PCBs were detected at significant concentrations in surface water samples. Thirteen dioxins were detected at significant concentrations in both surface water samples ranging from 3.69 pg/L (1,2,3,7,8,9-HxCDF) to 34,130.07 pg/L (OCDD). TEQs for samples MD-01-SW and MD-02-SW were 162 pg/L and 299 pg/L, respectively.

6.4.2 Fire Protection Pond

The fire protection pond, located east of the boiler in the east facility, is used as a water source in the event of facility fires (Figure 3-2). The 100-foot-by-150-foot-by-3-foot-deep pond is lined and uncovered.

6.4.2.1 Surface Water

6.4.2.1.1 Sample Locations

One surface water sample (FP-01-SW) was collected from the fire protection pond. No sediment sample was collected at this location.

6.4.2.1.2 Sample Results

Sample results are summarized in Table 6-30. No SVOCs, VOCs, or pesticides/PCBs were detected at significant concentrations in the surface water sample. Two metals were detected at

significant concentrations in FP-01-SW, including manganese (110 µg/L) and mercury (2.5 µg/L). One dioxin, OCDD (84.773 pg/L), was detected at a significant concentration in FP-01-SW. The TEQ for this sample was 0.08477 pg/L.

Table 6-1

TANK PRODUCT SAMPLES ANALYTICAL RESULTS
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99244697	99244698	99244699
CLP Inorganic Number	NA	NA	NA
CLP Organic Number	NA	NA	NA
Location ID Number	TK-01	TK-02	TK-03
Description	PRODUCT	PRODUCT	PRODUCT
SVOCs (µg/kg)			
2-Methylnaphthalene	**11000000 JH**	**15000000**	**35000000**
Acenaphthene	**1600000**	50000 U	**56000000**
Anthracene	1000000 U	50000 U	**43000000**
Benzo(a)anthracene	1000000 U	50000 U	**7600000**
Benzo(a)pyrene	1000000 U	50000 U	**2000000 JQK**
Benzo(b)fluoranthene	1000000 U	50000 U	**3000000**
Benzo(k)fluoranthene	1000000 U	50000 U	**1200000 JQK**
Carbazole	1000000 U	50000 U	**20000000**
Chrysene	1000000 U	50000 U	**6800000**
Dibenzofuran	**760000 JQK**	50000 U	**33000000**
Fluoranthene	1000000 U	50000 U	**46000000**
Fluorene	**2600000**	50000 U	**45000000**
Naphthalene	**860000 JQK**	**890000**	**41000000**
Pentachlorophenol	**43000000 JH**	50000 U	2500000 U
Phenanthrene	**4600000**	**4200000**	**120000000**
Pyrene	1000000 U	50000 U	**31000000**
Dioxin/furans (ng/kg)			
1,2,3,4,6,7,8-HpCDD	R	R	**29,488**
1,2,3,4,6,7,8-HpCDF	R	R	**2961**
1,2,3,4,7,8,9-HpCDF	R	R	**225.369**
1,2,3,4,7,8-HxCDD	R	R	**289.19**
1,2,3,4,7,8-HxCDF	R	R	1143.495 U
1,2,3,6,7,8-HxCDD	R	R	**991.31**
1,2,3,6,7,8-HxCDF	R	R	42.639 U
1,2,3,7,8,9-HxCDD	R	R	**1746.941**
1,2,3,7,8,9-HxCDF	R	R	67.499 U
1,2,3,7,8-PeCDD	R	R	**110.989**
1,2,3,7,8-PeCDF	R	R	16.771 U
2,3,4,6,7,8-HxCDF	R	R	16.957 U
2,3,4,7,8-PeCDF	R	R	49.855 U
2,3,7,8-TCDD	R	R	33.966 U
2,3,7,8-TCDF	R	R	34.817 U
OCDD	R	R	**231449**
OCDF	R	R	**21885**
TEQ	R	R	**938**

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
H	= High bias.
ID	= Identification.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
µg/kg	= Micrograms per kilogram.
NA	= Not analyzed.
ng/kg	= Nanograms per kilogram.
Q	= The result is estimated because the concentration is below the adjusted sample quantitation limit.
R	= Rejected.
SVOCs	= Semivolatile organic compounds.
TK	= Tank sample.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.

Table 6-2

TREATMENT PLANT FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE COMPOUND AND INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99224150	99224156	99224116	99224110	99224167	99224160	99224236	99234351	99234262	99224199	99224246	99234300	99244674	99224504	99224151	99224157	99224111	99224168	99224161	99224237	99224505	99224247
CLP Organic Number	JP553	JP181	JP182	JP146	JP144	JP188	JP185	JP154	JP174	JP168	JP198	JP161	JP206	JP405	JP164	NA	JP183	JP145	JP189	JP186	JP155	JP165	JP162
CLP Inorganic Number	MJAF90	MJAG18	MJAG19	MJR313	MJR311	MJAG25	MJAG22	MJR317	MJR328	MJR326	MJAG29	MJR319	MJAG33	MJQ655	MJR322	NA	MJAG20	MJR312	MJAG26	MJAG23	MJR318	MJR323	MJR320
Location ID Number	WP-07-SS-00	TP-01-SS-00	TP-03-SS-00	TP-05-SS-00	TP-07-SS-00	TP-09-SS-00	TP-11-SS-00	TP-12-SS-00	TP-15-SS-00	TP-17-SS-00	TP-19-SS-00	TP-20-SS-00	TP-21-SS-00	TP-25-SS-00	TP-14-SB-02	TP-01-SB-04	TP-03-SB-04	TP-07-SB-04	TP-09-SB-04	TP-11-SB-04	TP-12-SB-04	TP-14-SB-04	TP-20-SB-04
Depth	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	2 - 4 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.
	BACKGROUND					STAINED																	
SVOCs (µg/kg)																							
2-Methylnaphthalene	100 U	100 U	100 U	200	500 U	100 U	100 U	100 U	100	400 UJK	100 U	100 U	100 U	100 U	100 U	100 U	100 UJK	100 U	100 U	100 U	100 U	1200	100 U
2-Methylphenol	200 U	200 U	200 U	200 U	1000 U	200 U	200 U	200 U	200 U	800 U	200 U	200 U	200 U	200 U	200 U	200 U	200 UJK	200 U	200 U	200 U	200 U	200 U	200 U
3- and 4-Methylphenol Coelution	200 U	200 U	200 U	200 U	1000 U	200 U	200 U	200 U	200 U	800 U	200 U	200 U	200 U	200 U	200 U	200 U	200 UJK	200 U	200 U	200 U	200 U	200 U	200 U
Acenaphthene	100 U	100 U	100 U	90 JQK	500 U	100 U	100 U	100 U	200	400 UJK	100 U	100 U	100 U	100 U	90 JQK	100 U	100 UJK	100 U	100 U	100 U	100 U	400	100 U
Acenaphthylene	100 U	100 U	100 U	100 U	500 U	100 U	50 JQK	100 U	100 U	400 UJK	100 U	100 U	100 U	100 U	100 U	100 U	100 UJK	100 U	100 U	100 U	100 U	100 U	100 U
Anthracene	100 U	100 U	100 U	100 U	500 U	100 U	200	90 JQK	100 U	100 JQK	100 U	100 U	100 U	80 JQK	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100	100 U
Benzo(a)anthracene	100 U	100 U	100 U	100	500 U	100 U	100	700	1000 U	300 JQK	100 JQK	100 U	100 U	200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100	100 U
Benzo(a)pyrene	100 U	100 U	100 U	70 JQK	500 U	100 U	100 JH (10 AC)	300	100 UJK	300 JQK	100	100 U	100 U	200	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100	100 U
Benzo(b)fluoranthene	100 U	100 U	100 U	200	500 U	100	500 JH (50 AC)	900	80 JH (8 AC)	400	200	100 U	80 JH (8 AC)	300	100 U	100 U	100 U	100 U	100 U	100 U	100 U	300	100 U
Benzoic Acid	100 U	100 U	100 U	80 JQK	500 U	100 U	300 JH (30 AC)	600	100 UJK	400	200	100 U	100 UJK	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U	200	100 U
Benzo(k)fluoranthene	500 U	500 UJK	500 UJK	500 U	2500 U	500 U	500 U	500 U	500 U	2000 U	500 U	500 U	500 U	500 U	500 U	500 U	500 UJK	500 U	500 U	500 U	500 U	500 U	500 U
Bis(2-ethylhexyl)phthalate	200 U	200 U	200 U	200 U	1000 U	200 U	200 U	200 U	200 U	800 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Chrysene	100 U	100 U	100 U	200	200 JQK	100	300	900	100 U	600	300	100 U	70 JQK	200	100 U	100 U	100 U	100 U	100 U	100 U	80 JQK	200	100 U
Dibenzofuran	200 U	200 U	200 U	100	1000 U	200 U	200 U	200 U	100 JQK	800 UJK	200 U	200 U	200 U	200 U	200 U	200 U	200 UJK	200 U	200 U	300	200 U	300	200 U
Fluoranthene	100 U	100 U	100 U	400	500 U	80 JQK	200	400	90 JQK	500	100	100 U	100 U	500	100 U	100 U	100 U	100 U	100 U	100 U	100 U	400	100 U
Fluorene	100 U	100 U	100 U	90 JQK	500 U	100 U	100 U	100 U	200	400 UJK	100 U	100 U	100 U	100 U	100 U	100 U	100 UJK	100 U	100 U	100 U	100 U	300	100 U
Indeno(1,2,3-cd)pyrene	100 U	40 JQK	100 U	100 U	500 U	100 U	300 JH (30 AC)	200	100 UJK	200 JQK	100	100 U	100 UJK	100	100 U	100 U	100 U	100 U	100 U	100 U	100 U	600 JQK	100 U
Naphthalene	100 U	100 U	100 U	500	500 U	100 U	100 U	100 U	100 U	400 UJK	100 U	100 U	100 U	100 U	100 U	100 U	100 UJK	100 U	100 U	100 U	100 U	4500	100 U
Pentachlorophenol	500 U	500 U	500 U	30000	300 JQK	1300	6400	1600	400 JQK	900 JQK	80 JQK	500 U	200 JQK	70 JQK	200 JQK	500 U	800	500 U	500 U	2100	500 U	2400	500 U
Phenanthrene	100 U	100 U	100 U	300	200 JQK	100 U	90 JQK	100	200	200 JQK	100 U	100 U	100 U	200	90 JQK	100 U	100 U	100 U	100 U	100 U	100 U	500	100 U
Pyrene	70 JQK (100 U)	100 U	90 JQK	300	300 JQK	100	200	400	90 JQK	900	300	100 U	70 JQK	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	500	100 U
Inorganics (mg/kg)																							
Aluminum	23700	26000	13000	23700	25000	17100	37900	19900	15200	24900	25400	27800	26100	17600 JK	27500	NA	25200	14800	43000	42600	21500	35100	29600
Antimony	13.3 UJK (26 U AC)	R	R	14.6 UJK	13.8 UJK	15.3 UJK	16.5 UJK	13.7 UJK	R	14.3 JL	20.8 JL	13.7 JL	R	R	17.4 UJK	NA	15.8 UJK	16.0 UJK	16.0 UJK	15.8 JL	16.3 UJK	16.7 UJK	23.2 JL
Arsenic	7.4	7.6	9.7	7.6	120	5.9	39.5	595 JH (340 AC)	23.1	30.7	4.6 JH (3 AC)	6.1 JH (4 AC)	7.5	2.0 JBL	11.6 JH (7 AC)	NA	7.1	3.1	4.6	6.3	7.8 JH (4 AC)	22.4 JH (13 AC)	6.3 JH (4 AC)
Barium	190	169	178	253	65.9	175	213	127	235	80.9	106	147	208	26.6 JBK	204	NA	212	223	348	260	204	353	220
Beryllium	0.48 JBK (1.13 U)	0.72 U	0.84 U	1.0 JBK	0.38 U	0.74 JBK	0.83 JBK	0.54 U	1.0 U	0.51 U	0.38 U	0.59 U	0.90 U	0.46 JBK	0.93 JBK	NA	0.77 U	0.91 JBK	1.2 JBK	1.0 JBK	0.89 JBK	0.90 JBK	0.82 JBK
Cadmium	0.79 U	0.88 U	0.81 U	0.87 U	0.83 U	0.91 U	0.98 U	1.2	0.94 U	0.82 U	0.88 U	0.81 U	0.90 U	0.09 U	1.0 U	NA	0.94 U	0.95 U	1.3 JBK	0.88 U	0.97 U	1.0 U	0.97 U
Calcium	9090	3700	3650	3810	10900	2840	7560	6670	3490	11300	10500	11200	4830	13600 JL	3320	NA	6490	5020	6570	7000	4420	5710	4980
Chromium	28	39.8	29.8	61.6	31.7	50.2	64.7	53.9	37.4	31.8	34.8	39.6	50.1	14.8 JK (11 AC)	50.4	NA	56.1	31.2	80.3	70.0	40.5	71.3	63.2
Cobalt	20.9	14.8 JH	19.4 JH (16 AC)	41.5	26.4	27.9	32.2	27.8	28.8	25.4	25.5	23.4	28.9	20.9	27.8	NA	34.1	9.6 JBK	27.4	50.6	18.5	32.1	40.4
Copper	106 JH	39.5	39.0	54.4	110	60.5	115	1470 JL	61.3	92.3	104 JL	87.5 JL	73.7	41.1 JL	41.9 JL	NA	73.3	40.3	72.6	80.5	64.6 JL	75.2 JL	73.5 JL
Iron	47800	40700	30200	54800	48400	54000	67200	41000	31400	51700	65700	51200	49500	37100	47200	NA	59500	30300	62900	69100	39100	49400	64500
Lead	4.9	15.8	8.4 U	12.4	4.5	14.8	9.6	8.8 JH (6 AC)	13.0 JH (9 AC)	3.8 JH (3 AC)	7.0 JH (5 AC)	5.8 JH (4 AC)	11.2 JH (8 AC)	0.65 JBK	20.7 JH (14 AC)	NA	11.0	10.2	11.5	8.4	8.6 JH (6 AC)	19.3 JH (13 AC)	10.0 JH (7 AC)
Magnesium	9310	5000	4090	5280	15800	6170	8980	7280	3730	17700	12600	10600	5630	16300 JL	4370	NA	9060	5690	9330	10800	5520	8300	7810
Manganese	564 JH	459 JH	512 JH (410 AC)	948	516	780	1090	451 JH (360 AC)	324	560	866 JH (700 AC)	545 JH (440 AC)	1030	397 JK (320 AC)	1140 JH (900 AC)	NA	904	355	759	1410	579 JH (467 AC)	864 JH (697 AC)	611 JH (493 AC)
Nickel	41.6	15.5	15.2	23.7	45.5	14.2 JL	34.3	38.3	17.6	43.6	34.9	34.5	26.0	39.0 JL	19.9 U	NA	29.7	20.2	55.7	42.4	22.1	39.2	38.9
Potassium	966 U	751 U	915 U	1600	371 JBK	598 JBK	1470	869 JBK	936 JBK	454 JBK	644 JBK	1170	621 JBK	234 JBK	1460 JBK	NA	734 JBK	496 JBK	926 JBK	1420	621 JBK	670 JBK	642 JBK
Seleniuim	0.16 U	0.18 UJK	0.16 UJK	0.17 U	0.18 JBK	0.35 JBK	0.34 JBK	0.16 UJK	0.36 U	0.16 U	0.18 UJK	0.16 UJK	0.18 U	1.6	0.21 UJK	NA	0.19 U	0.19 U	0.19 UJK	0.18 U	0.19 UJK	0.20 UJK	0.19 UJK
Silver	1.00 UJK (1.7 U)	1.1 UJK	1.0 UJK	1.1 UJK	1.1 UJK	1.2 UJK	1.3 UJK	1.0 U	1.2 UJK	1.1 UJK	1.1 U	1.0 U	1.2 UJK	1.7 JBK	1.3 U	NA	1.2 UJK	1.2 UJK	1.2 UJK	1.1 UJK	1.2 U	1.3 U	1.2 U
Sodium	1570	372 JBK	687 JBK	439 U	6500	334 U	1320 JBK	1760	856 JBK	6350	3430	3190	844 JBK	5980	305 JBK	NA	436 U	441 U	585 JBK	555 JBK	511 JBK	608 JBK	413 JBK
Thallium	0.23 UJK (0.4 U)	0.25 U	0.23 U	0.25 U	0.24 UJK	0.26 U	0.28 UJK	0.23 U	0.27 U	0.24 UJK	0.26 JBL	0.23 UJK	0.26 U	1.2 U	0.3 UJK	NA	0.27 U	0.27 U	0.27 U	0.25 U	0.28 U	0.29 JL	0.32 JL
Vanadium	98.2 JH	91.3	107	180	126	173	194	102	115	137	213	147	141	80.9 JK (60 AC)	143	NA	163	101	201	199	102	189	178
Zinc	81.1	56.8	51.1	77.0	67.6	54.4	141	352	60.7	137	94.3	86.7	84.3	61.0 JL	77.8	NA	93.4	65.8	115	109	64.5	110	80.8

Key at the end of the table.

Table 6-2 (CONTINUED)

TREATMENT PLANT FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE COMPOUND AND INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99234301	99224152	99224155	99224158	99224231	99224117	99224112	99224169	99224165	99224162	99224238	99224234	99224531	99224248	99224245	99224183	99224118	99224115	99224503	99234265	99234266	99224189
CLP Organic Number	JP553	JP207	NA	NA	NA	NA	JP147	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	JP169	NA	JP191
CLP Inorganic Number	MJAF90	MJAG34	NA	NA	NA	NA	MJR314	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	MJR327	NA	MJAG28
Location ID Number	WP-07-SS-00	TP-21-SB-04	TP-01-SB-06	TP-02-SB-06	TP-03-SB-06	TP-04-SB-06	TP-05-SB-06	TP-07-SB-06	TP-09-SB-06	TP-10-SB-06	TP-11-SB-06	TP-12-SB-06	TP-13-SB-06	TP-19-SB-06	TP-20-SB-06	TP-22-SB-06	TP-24-SB-06	TP-05-SB-08	TP-06-SB-08	TP-16-SB-08	TP-17-SB-08	TP-17-SB-10	TP-18-SB-10
Depth	0 - 2 ft.	4 - 6 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	8 - 10 ft.	8 - 10 ft.	8 - 10 ft.	8 - 10 ft.	10 - 12 ft.	10 - 12 ft.
	BACKGROUND												STAINED							OILY			OILY
SVOCs (µg/kg)																							
2-Methylnaphthalene	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	35000
2-Methylphenol	200 U	200 U	200 U	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 U	NA	NA	NA	NA	NA	NA	200 U	200 U	NA	200 U	NA	200 U
3- and 4-Methylphenol Coelution	200 U	200 U	200 U	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 U	NA	NA	NA	NA	NA	NA	200 U	200 U	NA	200 U	NA	200 U
Acenaphthene	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	17000
Acenaphthylene	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	70 JQK
Anthracene	100 U	100 U	100 U	100 U	100	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	4000
Benzo(a)anthracene	100 U	100 U	100 U	100 U	100	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	4000 JH (400 AC)
Benzo(a)pyrene	100 U	100 U	100 U	100 U	300	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	1300 JH (130 AC)
Benzo(b)fluoranthene	100 U	100 U	100 U	100 U	800	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	3000
Benzoic Acid	100 U	100 U	100 U	100 U	400	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	1400 JH (140 AC)
Benzo(k)fluoranthene	500 U	500 U	500 U	500 U	500 U	NA	500 U	500 U	500 U	500 U	500 U	NA	NA	NA	NA	NA	NA	500 U	500 U	NA	500 U	NA	500 U
Bis(2-ethylhexyl)phthalate	200 U	200 U	200 U	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 U	NA	NA	NA	NA	NA	NA	200 U	200 JQK	NA	200 U	NA	200 U
Chrysene	100 U	100 U	100 U	100 U	300	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	80 JQK	100 U	NA	100 U	NA	4000
Dibenzofuran	200 U	200 U	200 U	200 U	200 U	NA	200 U	200 U	200 U	200 U	200 U	NA	NA	NA	NA	NA	NA	200 U	200 U	NA	200 U	NA	17000
Fluoranthene	100 U	100 U	100 U	100 U	200	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100	100 U	NA	100 U	NA	11000
Fluorene	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	17000
Indeno(1,2,3-cd)pyrene	100 U	100 U	100 U	100 U	200	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	300 JH (30 AC)
Naphthalene	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100 U	100 U	NA	100 U	NA	41000
Pentachlorophenol	500 U	500 U	500 U	500 U	1500	NA	90 JQK	500 U	500 U	700	400 JQK	NA	NA	NA	NA	NA	NA	300 JQK	500 U	NA	500 U	NA	1700
Phenanthrene	100 U	100 U	100 U	100 U	100 U	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100	100 U	NA	100 U	NA	21000
Pyrene	70 JQK (100 U)	100 U	100 U	100 U	200	NA	100 U	100 U	100 U	100 U	100 U	NA	NA	NA	NA	NA	NA	100	100 U	NA	100 U	NA	7000
Inorganics (mg/kg)																							
Aluminum	23700	29100	21700	27900	23500	18400	24800	24000	17500	21700	18800	31600	22500	24400	27100	27000	27700	17600	19500	20800	32500	16300	22100
Antimony	13.3 UJK (26 U AC)	17.9 JL	10 UJL	10 UJL	10 UJL	R	13.5 UJK	10 UJL	10 UJL	10 UJL	10 UJL	R	R	R	R	R	R	10 UJL	10 UJL	R	R	10 UJL	14.4 JL
Arsenic	7.4	4.9	8.1	5.6	2.7	9.4 JL	1.6 JBK	6.9 JL	3.3 JL	6.5 JL	2.7 JL	17.5 JL	8.3 JL	4.9 JL	4.8 JL	4.5 JL	4.2 JL	3 JL	2.1 JL	3.8 JL	5.9	1.9 JL	2.6 JH (1 AC)
Barium	190	318	169	195	122	128	94.9	234	135	249	137	245	200	196	226	249	207	100	99	145	181	102	132
Beryllium	0.48 JBK (1.13 U)	1.0 U	0.67	0.63	0.41	0.52 JL	0.74 JBK	0.63	0.51	0.64	0.48	0.55 JL	0.56 JL	0.59 JL	0.60 JL	0.58 JL	0.54 JL	0.49	0.43	0.44 JL	0.69 U	0.36	0.46 U
Cadmium	0.79 U	1.1 JBK	1 U	1 U	1 UJL	1 U	0.81 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.91 U	1 U	0.85 U
Calcium	9090	6380	6100	7110	8160	5550	8870	6680	5400	6410	6910	6280	6490	6650	6500	6010	6330	6680	7710	6450	8810	5870	6930
Chromium	28	72.0	31	51	25	26	26.1	45 JK (30 AC)	31 JK (20 AC)	45 JK (30 AC)	28 JK (20 AC)	57	36	49	47	52	54	20 JK (15 AC)	28 JK (22 AC)	29	37.3	18	38.0
Cobalt	20.9	27.5	24	24	20	19	18.3	16	25	30	17	29	21	24	35	30	29	19	22	20	22.4	18	21.1
Copper	106 JH	72.5	94	62	103	89	81.0	64	76	67	90	149	88	64	77	74	70	96	118	80	138	91	82.3 JL
Iron	47800	62900	47700	52900	49500	41400	37000	51400	42900	45900	39300	55600	54300	52700	57600	58400	56400	41900	45700	48800	59400	35100	43900
Lead	4.9	11.7 JH (8 AC)	7.66	10.9	3.6	6.09	2.2	9.9	5.8	10	2.57	9.95	8.16	10.4	10.8	10	10.5	4.12	2.51	6.32	9.9 JH (7 AC)	2.92	7.2 UJK
Magnesium	9310	9590	7510	8820	9170	6220	5770	7800	7020	7520	6230	8840	8160	8470	9200	9460	9380	7680	8180	7730	10000	7620	7190
Manganese	564 JH	774	870	515	606	588	859	420	668	1670	424	1220	690	834	1020	985	1090	495	494	538	741	348	365 JH (290 AC)
Nickel	41.6	43.8	38	32	34	29	19.7	31	27	36	28	36	34	31	37	40	40	29	38	32	49.4	29	31.4
Potassium	966 U	793 JBK	400 JBK	580	400 JBK	480	835 JBK	560	10 JBK	450	510	880	500	530	500	580	720	370	300 JBK	550	245 JBK	400 JBK	358 JBK
Seleniuim	0.16 U	0.20 UJK	1 UJL	1 UJL	1 UJL	1 U	0.16 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.18 UJK	1 U	0.17 UJK
Silver	1.00 UJK (1.7 U)	1.3 UJK	0.9 JBK	1 JBK	1 JBK	2 U	1.0 UJK	2 JBK	2 JBK	2 JBK	1 JBK	1 JBK	0.9 JBK	1 JBK	0.9 JBK	1 JBK	1 JBK	1 JBK	1 JBK	0.9 JBK	1.2 UJK	2 U	1.1 U
Sodium	1570	646 JBK	804	644	1920	864	4930	589	615	600	1460	739	786	401	419	900	506	981	985	447	2100	701	838 JBK
Thallium	0.23 UJK (0.4 U)	0.35 JBK	0.10	0.13	0.06	0.08	0.23 U	0.14	0.09	0.13	0.04	0.14	0.11	0.15	0.13	0.14	0.13	0.33	0.04	0.08	0.33 JBL	0.04	0.24 U
Vanadium	98.2 JH	189	113	133	114	101	94.3	112	108	111	82	139	133	138	153	151	133	90	90	116	148	80	125
Zinc	81.1	98.2	68	89	66	73	56.2	76	60	82	49	108	79	89	97	96	98	47	56	70	83.4	46	61.5

Key at the end of the table.

Table 6-2 (CONTINUED)

TREATMENT PLANT FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE COMPOUND AND INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99224532	99234305	99234259	99244677	99224513	99234359	99224533	99224192	99234358	99224534	99224512	99224180
CLP Organic Number	JP553	JP200	NA	NA	JP406	NA	NA	JP201	NA	NA	NA	NA	NA
CLP Inorganic Number	MJAF90	MJAG31	NA	NA	MJQ656	NA	NA	MJAG32	NA	NA	NA	NA	NA
Location ID Number	WP-07-SS-00	TP-19-SB-12	TP-21-SB-12	TP-23-SB-12	TP-25-SB-12	TP-14-SB-13	TP-15-SB-13	TP-19-SB-14	TP-08-SB-16	TP-15-SB-16	TP-19-SB-16	TP-14-SB-18	TP-08-SB-22
Depth	0 - 2 ft.	12 - 14 ft.	12 - 14 ft.	12 - 14 ft.	12 - 14 ft.	13 - 16 ft.	13 - 16 ft.	14 - 16 ft.	16 - 18 ft.	16 - 18 ft.	16 - 18 ft.	18 - 20 ft.	22 - 24 ft.
	BACKGROUND				STAINED	OILY	OILY	OILY					
SVOCs (µg/kg)													
2-Methylnaphthalene	100 U	200	NA	NA	100 U	500000	42000	230000	NA	NA	NA	NA	NA
2-Methylphenol	200 U	200 U	NA	NA	200 U	1000 JQK	200 U	1000 U	NA	NA	NA	NA	NA
3- and 4-Methylphenol Coelution	200 U	200 U	NA	NA	200 U	3000	200 U	1000 U	NA	NA	NA	NA	NA
Acenaphthene	100 U	800 JQK	NA	NA	100 U	210000	21000	120000	NA	NA	NA	NA	NA
Acenaphthylene	100 U	100 U	NA	NA	100 U	1000	100	800	NA	NA	NA	NA	NA
Anthracene	100 U	100 U	NA	NA	100 U	38000	4000	25000	NA	NA	NA	NA	NA
Benzo(a)anthracene	100 U	100 U	NA	NA	100 U	29000	3000	22000	NA	NA	NA	NA	NA
Benzo(a)pyrene	100 U	100 U	NA	NA	100 U	10000	1100 JH (110 AC)	7000	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	100 U	100 U	NA	NA	100 U	24000	2400 JH (240 AC)	16000	NA	NA	NA	NA	NA
Benzoic Acid	100 U	100 U	NA	NA	100 U	9000	1200 JH (120 AC)	6500	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	500 U	500 U	NA	NA	500 U	8000	500 U	2500 U	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	200 U	200 U	NA	NA	200 U	2000 U	200 U	1000 U	NA	NA	NA	NA	NA
Chrysene	100 U	100 U	NA	NA	100 U	31000	4000	24000	NA	NA	NA	NA	NA
Dibenzofuran	200 U	200 U	NA	NA	200 U	170000	18000	97000	NA	NA	NA	NA	NA
Fluoranthene	100 U	100 U	NA	NA	100 U	93000	11000	63000	NA	NA	NA	NA	NA
Fluorene	100 U	100 U	NA	NA	100 U	180000	19000	110000	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	100 U	100 U	NA	NA	100 U	1600	200 JH (20 AC)	1300	NA	NA	NA	NA	NA
Naphthalene	100 U	1000	NA	NA	100 U	950000	62000	400000	NA	NA	NA	NA	NA
Pentachlorophenol	500 U	200 JQK	NA	NA	500 U	11000	500 JQK	3400	NA	NA	NA	NA	NA
Phenanthrene	100 U	100 U	NA	NA	100 U	190000	22000	130000	NA	NA	NA	NA	NA
Pyrene	70 JQK (100 U)	100 U	NA	NA	100 U	58000	7000	42000	NA	NA	NA	NA	NA
Inorganics (mg/kg)													
Aluminum	23700	21900	18600	13000	20700 JK	15000	20000	12900	15600	14100	13000	13800	15000
Antimony	13.3 UJK (26 U AC)	14.2 JL	10 UJL	10 UJL	R	3 U	3.7 UJK	14.7 UJK	R	10 UJL	R	R	R
Arsenic	7.4	4.4 JH (2 AC)	2.4 JL	1.1 JL	3.3 JL	4.2 JH (2 AC)	4.4	4.1 JH (2 AC)	4.1 JL	7.2 JL	8.8 JL	9.7 JL	8.2 JL
Barium	190	123	100	70	113	98	140	123	162	81	73	96	99
Beryllium	0.48 JBK (1.13 U)	0.40 U	0.39	0.24 JL	0.59 JBK	0.3 JQK	0.42 JQK	0.44 U	0.40 JL	0.54	0.56 JL	0.60 JL	0.53 JL
Cadmium	0.79 U	0.82 U	1 U	1 U	0.15 JBK	1 U	1.2 U	0.87 U	1 U	1 U	1 U	1 U	1 U
Calcium	9090	8540	7650	5590	6960 JL	6900	6800	4760	6540	9910	10400	12100	8370
Chromium	28	35.8	18	12	20.7 JK (16 AC)	16	26	26.4	19	26	22	25	25
Cobalt	20.9	21.0	16	14	20	17	20	13.1	10	10	13	12	16
Copper	106 JH	78.2 JL	100 JL	91	81 JL	89	92	54.1 JL	60	34 JL	33	35	36
Iron	47800	46300	42300	30700	41900	36000	44000	29500	36700	30000	35100	34400	29800
Lead	4.9	9.3 JH (6 AC)	2.92	1.38	0.7 JBK	5.7 JH (4 AC)	3.1	6.2 JH (4 AC)	7.03	12.2	12.2	13.2	15.5
Magnesium	9310	8470	7190	5520	7410 JL	6300	6400	4910	5950	6750	7010	7020	7820
Manganese	564 JH	294 JH (240 AC)	429	343	430 JK (350 AC)	350	480	320 JH (260 AC)	258	220	300	195	169
Nickel	41.6	32.2	31	26	34.4 JL	23	28	24.5	21	30	35	41	44
Potassium	966 U	717 JBK	480	400 U	539 JBK	430	1300 U	461 JBK	1100	2100	2040	2170	2400
Seleniuim	0.16 U	0.16 UJK	1 U	1 U	2.2	3 U	3.7 U	0.17 UJK	0.3 JBK	1 U	1 JBK	1 JBK	0.8 JK (0.3 AC)
Silver	1.00 UJK (1.7 U)	1.1 U	2 U	2 U	1.9 JBK	0.098 JQK	2.5 U	1.1 U	0.8 JBK	2 U	2 U	2 U	2 U
Sodium	1570	1150 JBK	1440	923	1190	1200	1200	528 JBK	1020	722	602	864	934
Thallium	0.23 UJK (0.4 U)	0.24 JL	0.04	0.03	1.3 U	1 U	1.2 U	0.25 U	0.10	0.18	0.25	0.25	0.15
Vanadium	98.2 JH	142	91	68	103 JK (80 AC)	77	110	82.3	57	43	37	44	38
Zinc	81.1	67.5	55	36	52.8 JL	52	61	46.4	57	86	86	86	87

Key at the end of the table.

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 6.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
mg/kg = Milligrams per kilogram.
NA = Not analyzed.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
SVOCs = Semivolatile organic compounds.
TP = Treatment plant.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
WP = White pole storage area.

Table 6-3

TREATMENT PLANT FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
VOLATILE ORGANIC COMPOUND AND PESTICIDE/PCB ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99224150	99224156	99224116	99224110	99224167	99224160	99224236	99234351	99234262	99224199	99224246	99234300	99244674	99224504	99224157
CLP Organic Number	JP553	JP181	JP182	JP146	JP144	JP188	JP185	JP154	JP174	JP168	JP198	JP161	JP206	JP405	JP164	JP183
CLP Inorganic Number	MJAF90	MJAG18	MJAG19	MJR313	MJR311	MJAG25	MJAG22	MJR317	MJR328	MJR326	MJAG29	MJR319	MJAG33	MJQ655	MJR322	MJAG20
Location ID Number	WP-07-SS-00	TP-01-SS-00	TP-03-SS-00	TP-05-SS-00	TP-07-SS-00	TP-09-SS-00	TP-11-SS-00	TP-12-SS-00	TP-15-SS-00	TP-17-SS-00	TP-19-SS-00	TP-20-SS-00	TP-21-SS-00	TP-25-SS-00	TP-14-SB-02	TP-03-SB-04
Depth	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	2 - 4 ft.	4 - 6 ft.
	BACKGROUND					STAINED										
VOCs (µg/kg)																
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	11 U	**29**	**15**	11 U	12 U	**6 JQK**	**30**	**13 JH (1.3 AC)**	13 UJK	10 U	11 U	11 U	**8 JQK**	12 U	14 U	12 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	11 U	13 U	13 U	11 U	12 U	13 U	13 U	12 UJK	13 UJK	10 U	11 U	11 U	14 UJK	12 U	14 U	12 U
4-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	11 U	**110**	**93**	11 U	25 U	27 U	**110**	**140**	17 UJK	10 U	11 U	11 U	40 UJK	12 U	48 U	12 U
Ethylbenzene	11 U	13 U	13 U	11 U	12 U	13 U	13 U	12 U	13 U	10 U	11 U	11 U	14 U	12 U	14 U	12 U
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m,p-Xylene	11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	11 U	**13**	13 U	**18**	**29**	13 U	13 U	12 U	13 U	10 U	11 U	11 UJK	14 U	12 U	14 U	12 U
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	11 U	13 U	13 U	11 U	12 U	13 U	13 U	12 U	13 U	10 U	11 U	11 U	14 U	12 U	14 U	12 U
t-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	11 U	13 U	13 U	11 U	12 U	13 U	13 U	12 U	13 U	**2 JQK**	11 U	11 U	14 U	12 U	14 U	12 U
Toluene	11 U	13 U	13 U	11 U	12 U	13 U	13 U	12 U	13 U	**2 JQK**	11 U	**1 JQK**	14 U	12 U	14 U	12 U
Xylene (total)	11 U	13 U	13 U	11 U	12 U	13 U	13 U	12 U	13 U	10 U	11 U	11 U	14 U	12 U	14 U	12 U
Pesticides/PCBs (µg/kg)																
4,4'-DDD	**0.19 JQK (3.8 U)**	4.3 U	0.42 U	3.5 U	3.8 U	**0.38 JQK**	4.2 U	**0.5 JQK**	4.4 U	3.5 U	3.8 UJL	3.5 U	4.6 U	36 U	4.6 U	4.0 U
4,4'-DDE	3.8 U	4.3 U	**1.3 JQK**	3.5 U	3.8 U	**1.4 JQK**	4.2 U	**1.5 JQK**	4.4 U	3.5 U	3.8 UJL	3.5 U	**0.45 JQK**	36 U	4.6 U	4.0 U
Aroclor 1254	38 U	43 U	**4.6 JQK**	35 U	**10 JQK**	42 U	42 U	40 U	44 U	35 U	38 UJL	35 U	46 U	360 U	46 U	40 U
Dieldrin	3.8 U	4.3 U	4.2 U	3.5 U	3.8 U	4.2 U	4.2 U	**0.62 JQK**	4.4 U	**1.8 JQK**	3.8 UJL	3.5 U	4.6 U	36 U	4.6 U	4.0 U
Endrin	3.8 U	4.3 U	4.2 U	3.5 U	3.8 U	4.2 U	4.2 U	4.0 U	4.4 U	3.5 U	3.8 UJL	3.5 U	4.6 U	36 U	4.6 U	4.0 U
Beta-BHC	1.9 U	2.2 U	**8.8 JNK**	41 U	10 U	8.5 U	23 U	34 U	2.3 U	19 U	**35 JNK**	1.8 U	3.3 U	18 U	**16**	**16 JNK**
Gamma-Chlordane	1.9 U	2.2 U	2.2 U	1.8 U	2.0 U	2.2 U	2.2 U	2.1 U	2.3 U	1.8 U	1.9 UJL	1.8 U	2.4 U	18 U	2.4 U	2.1 U
Heptachlor	1.9 U	2.2 U	2.2 U	1.8 U	2.0 U	2.2 U	2.2 U	2.1 U	2.3 U	1.8 U	1.9 UJL	1.8 U	2.4 U	18 U	2.4 U	2.1 U
Heptachlor epoxide	1.9 U	2.2 U	2.2 U	1.8 U	2.0 U	**0.35 JQK**	2.2 U	2.1 U	2.3 U	1.8 U	1.9 UJL	1.8 U	2.4 U	18 U	2.4 U	2.1 U
Methoxychlor	19 U	22 U	22 U	18 U	38 U	22 U	22 U	21 U	23 U	18 U	**25 JNH**	18 U	24 U	180 U	24 U	21 U

Key at the end of the table.

Table 6-3 (CONTINUED)

TREATMENT PLANT FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99224111	99224168	99224161	99224237	99224505	99224247	99234301	99224117	99234265	99224189	99224532	99244677	99224513	99234359	99224533
CLP Organic Number	JP553	JP145	JP189	JP186	JP155	JP165	JP162	JP207	JP147	JP169	JP191	JP200	JP406	NA	NA	JP201
CLP Inorganic Number	MJAF90	MJR312	MJAG26	MJAG23	MJR318	MJR323	MJR320	MJAG34	MJR314	MJR327	MJAG28	MJAG31	MJQ656	NA	NA	MJAG32
Location ID Number	WP-07-SS-00	TP-07-SB-04	TP-09-SB-04	TP-11-SB-04	TP-12-SB-04	TP-14-SB-04	TP-20-SB-04	TP-21-SB-04	TP-05-SB-06	TP-17-SB-08	TP-18-SB-10	TP-19-SB-12	TP-25-SB-12	TP-14-SB-13	TP-15-SB-13	TP-19-SB-14
Depth	0 - 2 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	6 - 8 ft.	8 - 10 ft.	10 - 12 ft.	12 - 14 ft.	12 - 14 ft.	13 - 16 ft.	13 - 16 ft.	14 - 16 ft.
	BACKGROUND										OILY		STAINED	OILY	OILY	OILY
VOCs (µg/kg)																
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9200**	**2600**	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5100**	**1900**	NA
2-Butanone	11 U	13 U	13 U	13 U	14 U	**23**	**15**	**9 JQK**	11 U	12 U	12 U	12 U	12 U	NA	NA	12 U
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**980**	**280 JQK**	NA
2-Hexanone	11 U	13 U	13 U	13 U	14 U	**2 JQK**	14 U	14 UJK	11 U	12 U	12 U	12 U	12 U	NA	NA	12 U
4-Isopropyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2100**	460 U	NA
Acetone	11 U	**44**	13 U	13 U	**31**	**170**	**130**	**54 JH (5 AC)**	11 U	12 U	12 U	12 U	12 U	NA	NA	12 U
Ethylbenzene	11 U	13 U	13 U	13 U	14 U	**5 JQK**	14 U	14 U	11 U	12 U	**3 JQK**	**1 JQK**	12 U	**4900**	**1200**	**27**
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**46000**	**11000**	NA
m,p-Xylene	11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4600**	**1100**	NA
Methylene chloride	11 U	17 U	13 U	13 U	**31**	14 U	14 UJK	14 U	**25**	12 U	12 U	12 U	12 U	440 U	460 U	12 U
n-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	440 U	**770**	NA
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**780**	**220 JQK**	NA
Naphthalene	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**490000**	**120000**	NA
o-Xylene	11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2000**	**500**	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12000**	**3300**	NA
Styrene	11 U	13 U	13 U	13 U	14 U	14 U	14 U	14 U	11 U	12 U	12 U	12 U	12 U	440 U	460 U	**8 JQK**
t-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3100**	**850**	NA
Tetrachloroethene	11 U	13 U	13 U	13 U	14 U	14 U	14 U	14 U	11 U	12 U	12 U	12 U	12 U	440 U	460 U	12 U
Toluene	11 U	13 U	13 U	13 U	14 U	14 U	14 U	14 U	11 U	12 U	12 U	12 U	**2 JQK**	**730**	**150 JQK**	**4 JQK**
Xylene (total)	11 U	13 U	13 U	13 U	14 U	**8 JQK**	14 U	14 U	11 U	12 U	**5 JQK**	**2 JQK**	12 U	NA	NA	**44**
Pesticides/PCBs (µg/kg)																
4,4'-DDD	**0.19 JQK (3.8 U)**	4.2 U	**0.32 JQK**	4.3 U	4.6 U	4.6 UJL	4.4 U	4.6 U	3.7 U	3.9 U	3.9 UJL	3.9 UJL	38 U	2.3	2.1 U	4.0 UJL
4,4'-DDE	3.8 U	4.2 U	**0.49 JQK**	4.3 U	4.6 U	4.6 UJL	4.4 U	4.6 U	3.7 U	3.9 U	3.9 UJL	3.9 UJL	38 U	2.3 U	2.1 U	4.0 UJL
Aroclor 1254	38 U	42 U	42 U	43 U	46 U	46 UJL	44 U	46 U	37 U	39 U	39 UJL	39 UJL	380 U	11 U	10 U	40 UJL
Dieldrin	3.8 U	4.2 U	4.2 U	4.3 U	4.6 U	4.6 UJL	4.4 U	4.6 U	3.7 U	3.9 U	3.9 UJL	3.9 UJL	38 U	2.3 U	2.1 U	4.0 UJL
Endrin	3.8 U	4.2 U	4.2 U	4.3 U	**0.14 JQK**	4.6 UJL	4.4 U	4.6 U	3.7 U	3.9 U	3.9 UJL	3.9 UJL	38 U	2.4 U	2.1 U	4.0 UJL
Beta-BHC	1.9 U	2.2 U	4.2 U	28 U	**7.8 JNK**	**160 JNK**	2.3 U	2.4 U	12 U	2.0 U	**220 JNK**	**26 JNK**	19 U	1.1 U	NA	**540**
Gamma-Chlordane	1.9 U	2.2 U	23 U	**0.59 JQK**	2.4 U	2.4 UJL	2.3 U	2.4 U	1.9 U	2.0 U	2.0 UJL	2 UJL	19 U	1.1 U	1 U	**2.0 JNH**
Heptachlor	1.9 U	2.2 U	2.2 U	2.2 U	2.4 U	2.4 UJL	2.3 U	2.4 U	1.9 U	2.0 U	2.0 UJL	2 UJL	19 U	1.1 U	1 U	2.0 UJL
Heptachlor epoxide	1.9 U	2.2 U	2.2 U	2.2 U	2.4 U	2.4 UJL	2.3 U	2.4 U	1.9 U	2.0 U	2.0 UJL	2 UJL	19 U	1.1 U	1 U	2.0 UJL
Methoxychlor	19 U	22 U	22 U	22 U	24 U	24 UJL	23 U	24 U	19 U	20 U	20 UJL	20 UJL	190 U	11 U	10 U	20 UJL

Key at the end of the table.

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 6.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
N = Tentatively identified compound.
NA = Not analyzed.
PCBs = Polychlorinated biphenyl compounds.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SB = Subsurface soil sample.
SS = Surface soil sample.
TP = Treatment plant.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOCs = Volatile organic compounds.
WP = White pole storage area.

Table 6-4

TREATMENT PLANT FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99224150	99224156	99224116	99224110	99224167	99224160	99224236	99234351	99234262	99224199
CLP Organic Number	JP553	JP181	JP182	JP146	JP144	JP188	JP185	JP154	JP174	JP168	JP198
CLP Inorganic Number	MJAF90	MJAG18	MJAG19	MJR313	MJR311	MJAG25	MJAG22	MJR317	MJR328	MJR326	MJAG29
Location ID Number	WP-07-SS-00	TP-01-SS-00	TP-03-SS-00	TP-05-SS-00	TP-07-SS-00	TP-09-SS-00	TP-11-SS-00	TP-12-SS-00	TP-15-SS-00	TP-17-SS-00	TP-19-SS-00
Depth	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.
	BACKGROUND					STAINED					
Dioxin/Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	876.591	6424.89	99.974	42547.5	34848.12	5818.298	41446.18	19987.27	38531.48	485.806	4370.332
1,2,3,4,6,7,8-HpCDF	75.485	420.296	6.453	3571.937	231.83	873.19	4158.671	2601.436	951.04	1826.224	108.708
1,2,3,4,7,8,9-HpCDF	6.169 U	18.815	3.439 U	238.957	20.301 U	42.341	327.638	418.542 U	58.86	149.81 JK (15 AC)	20.487 U
1,2,3,4,7,8-HxCDD	8.905	50.803	1.589 U	82.625	28.695	20.293	185.25 U	66.305 JK (6.63 AC)	110.411	107.805 JK (10.78 AC)	10.708
1,2,3,4,7,8-HxCDF	33.903 U	121.664 U	2.763 U	811.585 U	63.111 U	170.511 U	1014.42 U	R	R	R	R
1,2,3,6,7,8-HxCDD	47.578	238.918	3.437	1005.271	97.114	184.17	1143.397	612.713	697.234	868.637	94.219
1,2,3,6,7,8-HxCDF	2.5 U	12.73	0.924 U	17.546	9.946 U	7.39	233.538	32.275 U	27.387	74.351 JK (7.44 AC)	14.127 U
1,2,3,7,8,9-HxCDD	25.229	115.31	1.145 U	158.52	47.462	51.489	433.143	158.799 JK (15.88 AC)	329.109	277.685	35.438
1,2,3,7,8,9-HxCDF	3.56 U	2.37 U	1.643 U	4.023 U	3.633 U	1.095 U	9.66 U	50.175 U	28.449 U	98.154	25.116 U
1,2,3,7,8-PeCDD	5.209	22.75	1.205 U	10.285 U	7.726	6.163	53.819	30.182 U	56.385	23.171	3.939
1,2,3,7,8-PeCDF	0.313 U	15.688	0.459 U	1.262 U	2.753 U	14.277	152.915	23.252 U	27.658	47.142	3.167 JK (0.32 AC)
2,3,4,6,7,8-HxCDF	2.784 U	14.479 U	1.171 U	47.175 U	2.841 U	4.992 U	335.387 U	37.346 U	51.079	167.699 JK (16.77 AC)	17.911 U
2,3,4,7,8-PeCDF	1.033	12.511	0.485 U	5.646	4.246 U	12.91 U	131.491	24.107 U	21.496	67.688	2.767 JK (0.28 AC)
2,3,7,8-TCDD	0.128 U	1.076	0.67 U	0.247 U	0.403 U	0.15 U	2.224	28.299 U	3.417	5.161 U	0.426 U
2,3,7,8-TCDF	0.174 U	5.916	0.876 U	4.157	0.956 U	3.97	33.851	24.437 U	8.295 U	10.098 UJK	0.598 U
OCDD	7650.317	73245.94	1036.949	382111.9	189509.1	74440.02	342987.2	170798.2	442133.7	4248.374	45332.76
OCDF	304.405	926.7	19.33	20094.39	503.468	3871.27	8406.873	8213.663	2274.484	3451.8	361.845
TEQ	28.7	204	2.468	994	561	175.2	1129	488.7	1010	241	108

Key at the end of the table.

Table 6-4 (CONTINUED)

TREATMENT PLANT FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99224246	99234300	99244674	99224504	99224157	99224111	99224168	99224161	99224237	99224505
CLP Organic Number	JP553	JP161	JP206	JP405	JP164	JP183	JP145	JP189	JP186	JP155	JP165
CLP Inorganic Number	MJAF90	MJR319	MJAG33	MJO655	MJR322	MJAG20	MJR312	MJAG26	MJAG23	MJR318	MJR323
Location ID Number	WP-07-SS-00	TP-20-SS-00	TP-21-SS-00	TP-25-SS-00	TP-14-SB-02	TP-03-SB-04	TP-07-SB-04	TP-09-SB-04	TP-11-SB-04	TP-12-SB-04	TP-14-SB-04
Depth	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	2 - 4 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.
	BACKGROUND										
Dioxin/Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	876.591	242.94	931.089	2561.346	554.882	2.593 U	8.996 U	22.372	471.96	240.395	35252.92
1,2,3,4,6,7,8-HpCDF	75.485	17.001	103.825	228.577	27.701	10.034 U	0.783	2.527	48.182	29.015	428.118
1,2,3,4,7,8,9-HpCDF	6.169 U	2.69 U	11.581 U	53.93 U	4.212 U	14.317 U	0.695 U	0.397 U	5.29 U	2.817 U	21.87
1,2,3,4,7,8-HxCDD	8.905	1.014 U	4.851 JK (0.49 AC)	18.114	3.11	0.371 U	0.53 U	0.473 U	3.829	1.6 U	70.528
1,2,3,4,7,8-HxCDF	33.903 U	8.237 U	151.3 JK (15 AC)	R	R	0.461 U	0.491 U	0.716 U	14.102 U	R	R
1,2,3,6,7,8-HxCDD	47.578	8.259 U	54.677	117.177	21.455	0.256 U	0.366 U	0.817	22.06	6.848	396.668
1,2,3,6,7,8-HxCDF	2.5 U	2.381 U	8.595 U	16.786 U	1.412 U	0.383 U	0.408 U	0.309 U	0.756	2.767 U	3.875 U
1,2,3,7,8,9-HxCDD	25.229	2.681	17.887	55.235	11.537 JK (1.15 AC)	0.292 U	0.417 U	0.372 U	8.76	1.678	278.784
1,2,3,7,8,9-HxCDF	3.56 U	3.391 U	12.638 U	26.573 U	2.511 U	0.546 U	0.582 U	0.439 U	0.661 U	3.941 U	6.889 U
1,2,3,7,8-PeCDD	5.209	0.81 U	2.505 JK (0.25 AC)	8.595	0.74 U	0.314 U	0.396 U	0.537 U	1.308	1.447 U	26.033
1,2,3,7,8-PeCDF	0.313 U	0.713 U	3.071	3.295 JL	0.756 U	0.252 U	0.367 U	0.474 U	0.365 U	0.896 U	17.147 JK (1.71 AC)
2,3,4,6,7,8-HxCDF	2.784 U	2.652 U	8.982 U	19.627 U	1.79 U	0.427 U	0.455 U	0.344 U	0.517 U	3.082 U	4.913 U
2,3,4,7,8-PeCDF	1.033	0.729 U	3.681	4.823	0.799 U	0.258 U	0.375 U	0.485 U	0.893	0.916 U	7.424 JK (0.74 AC)
2,3,7,8-TCDD	0.128 U	0.508 U	0.383 U	0.256 U	0.703 U	0.197 U	0.321 U	0.292 U	0.223 U	0.947 U	2.327 JH (0.23 AC)
2,3,7,8-TCDF	0.174 U	0.505 U	1.272 U	1.794 JK (0.18 AC)	0.78 UJK	0.471 U	0.329 U	1.55	1.004	0.805 U	4.218 U
OCDD	7650.317	2563.389	42517	70558.97	4606.257	28.226 U	68.608 U	217.235	10939.45	2031.601	232545.6
OCDF	304.405	74.875	251.391	1036.145	85.594	1.396 U	2.126 U	10.733	107.076	119.005	1031.838
TEQ	28.7	5.22	79.2	126	14.1	0	0.00783	0.714	21.0	5.692	684.1

Key at the end of the table.

Table 6-4 (CONTINUED)

TREATMENT PLANT FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99224247	99234301	99224117	99234265	99224189	99224532	99244677	99224513	99234359	99224533
CLP Organic Number	JP553	JP162	JP207	JP147	JP169	JP191	JP200	JP406	NA	NA	JP201
CLP Inorganic Number	MJAF90	MJR320	MJAG34	MJR314	MJR327	MJAG28	MJAG31	MJO656	NA	NA	MJAG32
Location ID Number	WP-07-SS-00	TP-20-SB-04	TP-21-SB-04	TP-05-SB-06	TP-17-SB-08	TP-18-SB-10	TP-19-SB-12	TP-25-SB-12	TP-14-SB-13	TP-15-SB-13	TP-19-SB-14
Depth	0 - 2 ft.	4 - 6 ft.	4 - 6 ft.	6 - 8 ft.	8 - 10 ft.	10 - 12 ft.	12 - 14 ft.	12 - 14 ft.	13 - 16 ft.	13 - 16 ft.	14 - 16 ft.
	BACKGROUND					OILY		STAINED	OILY	OILY	OILY
Dioxin/Furans (ng/kg)											
1,2,3,4,6,7,8-HpCDD	876.591	10.079	28.856	777.7 JL	821.042	1249.698	65.521	10.237 U	11760.76	115.938	512.089
1,2,3,4,6,7,8-HpCDF	75.485	0.912	2.65	71.378	72.298	141.193	6.201	0.645 U	620.985	104.745	46.021
1,2,3,4,7,8,9-HpCDF	6.169 U	0.926 U	0.585 U	3.263	3.321	10.999	0.863 U	0.908 U	54.138	8.457	7.598 U
1,2,3,4,7,8-HxCDD	8.905	0.884 U	0.598 U	0.525 U	7.93	0.846 U	1.074 U	0.741 U	9.032 JH (0.90 AC)	3.626	0.681 U
1,2,3,4,7,8-HxCDF	33.903 U	0.699 U	0.448 JK (0.04 AC)	13.633 U	R	41.532 U	R	0.737 U	173.084 JK (17.31 AC)	78.994 JK (7.90 AC)	R
1,2,3,6,7,8-HxCDD	47.578	0.61 U	1.477 JK (0.15 AC)	19.216	58.121	46.47	1.799	0.499 U	200.898	45.361	16.599
1,2,3,6,7,8-HxCDF	2.5 U	0.581 U	0.3 U	1.07 U	3.89 JK (0.3 AC)	1.364 U	0.77 U	0.552 U	5.068 U	5.789	3.149 U
1,2,3,7,8,9-HxCDD	25.229	0.696 U	0.567 U	1.827	18.723 JK (1.87 AC)	6.99	0.774 U	0.572 U	49.329	11.987 JK (1.20 AC)	3.988 U
1,2,3,7,8,9-HxCDF	3.56 U	0.828 U	0.441 U	1.524 U	1.543 JK (0.15 AC)	1.013 U	1.369 U	0.874 U	9.01 U	2.497 U	5.599 U
1,2,3,7,8-PeCDD	5.209	0.949 U	0.258 U	0.398 U	2.407	0.697 U	0.548 U	0.459 U	3.324	2.186	0.737 UJK
1,2,3,7,8-PeCDF	0.313 U	0.735 U	0.162 U	0.298 U	2.341	7.26	0.322 U	0.304 U	R	3.937	1.578 UJK
2,3,4,6,7,8-HxCDF	2.784 U	0.647 U	0.313 U	1.192 U	4.767 JK (0.48 AC)	1.52 U	0.976 U	0.646 U	6.425 U	9.463	3.993 U
2,3,4,7,8-PeCDF	1.033	0.752 U	0.164 U	0.305 U	1.587	7.997	0.34 U	0.308 U	28.52 JK (2.9 AC)	4.674	1.668 U
2,3,7,8-TCDD	0.128 U	0.513 U	0.191 U	0.199 U	0.254 U	0.329 U	0.681 U	0.305 U	0.343 U	0.318 U	0.591 UJK
2,3,7,8-TCDF	0.174 U	0.498 U	0.166 U	0.982	0.863 UJK	1.617	0.454 U	0.311 U	5.7	1.478	0.457 UJK
OCDD	7650.317	121.228	228.731	4401.088	1095	14122.8	667.285	94.83 U	94481.62	9987.998	5342.9932 JH (534.299 AC)
OCDF	304.405	3.159 U	5.828	428.47	203.361	221.303	10.259	5.185 U	792.951	129.59	75.139
TEQ	28.7	0.281	0.743	15.6	72	38.21	1.57	0	266	41.8	13.05

Key at the end of the table.

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 6.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
L = Low bias.
K = Unknown bias.
N = Tentatively identified compound.
ng/kg = Nanograms per kilogram.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
TP = Treatment plant.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
WP = White Pole Storage Area.

Table 6-5

TREATED POLE STORAGE AREA SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99214101	99214121	99214115	99214130	99214160	99214185	99244690	99244694	99214116	99214200	99214186	99214103	99214107	99214123
CLP Inorganic Number	MJAF90	MJAF81	MJAG02	MJAF84	MJR290	MJAF92	MJR303	MJQ657	MJQ658	MJAF85	MJAF93	MJR304	NA	NA	MJAG03
CLP Organic Number	JP553	JP542	JP104	JP546	JP109	JP556	JP126	JP408	JP409	JP547	JP557	JP127	NA	NA	JP105
Location ID Number	WP-07-SS-00	PS-01-SS-00	PS-03-SS-00	PS-07-SS-00	PS-08-SS-00	PS-11-SS-00	PS-12-SS-00	PS-13-SS-00	PS-14-SS-00	PS-07-SB-04	PS-11-SB-04	PS-12-SB-04	PS-01-SB-06	PS-02-SB-06	PS-03-SB-06
Depth	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.
	BACKGROUND							OILY							
SVOCs (µg/kg)															
2-Methylnaphthalene	100 U	100 U	100 U	**300**	100 U	100 U	100 U	100 U	**200 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Acenaphthene	100 U	100 U	100 U	**200**	100 U	100 U	100 U	**300**	**400 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Acenaphthylene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	5000 U	100 U	100 U	100 U	100 U	100 U	100 U
Anthracene	100 U	100 U	100 U	**400**	100 U	100 U	100 U	**100 JQK**	**1000 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)anthracene	100 U	**100**	**200**	**600**	100 U	100 U	100 U	**100**	**5000**	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)pyrene	100 U	**100**	**100**	**300**	100 U	100 U	100 U	**100**	**2000 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(b)fluoranthene	100 U	**400**	**400**	**800**	100 U	100 U	100 U	**200**	**7000**	100 U	100 U	100 U	**100 JQK**	100 U	100 U
Benzo(k)fluoranthene	100 U	**200**	**200**	**500**	100 U	100 U	100 U	**100**	**3000 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Bis(2-ethylhexyl)phthalate	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	**600 JQK**	200 U	200 U	200 U	200 U	200 U	200 U
Chrysene	100 U	**300**	**500**	**900**	100 U	100 U	100 U	**200**	**8000**	100 U	100 U	100 U	**80 JQK**	100 U	100 U
Dibenzofuran	200 U	200 U	200 U	200 U	200 U	200 U	200 U	**200 JQK**	**300 JQK**	200 U	200 U	200 U	200 U	200 U	200 U
Fluoranthene	100 U	**300**	**200**	**1900**	100 U	100 U	100 U	**400**	**20000**	100 U	100 U	100 U	100 U	100 U	100 U
Fluorene	100 U	100 U	100 U	**300**	100 U	100 U	100 U	**200**	**600 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	100 U	**90 JQK**	**90 JQK**	**200**	100 U	100 U	100 U	**100**	**1000 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Naphthalene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	5000 U	100 U	100 U	100 U	100 U	100 U	100 U
Pentachlorophenol	500 U	**3500**	**4100**	**1400**	**200 JQK**	500 U	**100 JQK**	**600**	**960000**	500 U	500 U	500 U	**400 JQK**	500 U	500 U
Phenanthrene	100 U	100 U	100 U	**1000**	100 U	100 U	100 U	**300**	**5000 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Pyrene	**70 JQK (100 U)**	**300**	**300**	**1900**	**60 JQK**	100 U	100 U	**400**	**16000**	100 U	100 U	100 U	**80 JQK**	100 U	100 U

Key at the end of the table.

Table 6-5 (CONTINUED)

TREATED POLE STORAGE AREA SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99214109	99214114	99214129	99214117	99214132	99214142	99214159	99214201	99214187	99244692	99214134	99244761
CLP Inorganic Number	MJAF90	MJAF83	NA	NA	NA	MJR291	NA	NA	NA	NA	NA	NA	NA
CLP Organic Number	JP553	JP544	NA	NA	NA	JP110	NA	NA	NA	NA	NA	NA	NA
Location ID Number	WP-07-SS-00	PS-04-SB-06	PS-05-SB-06	PS-06-SB-06	PS-07-SB-06	PS-08-SB-06	PS-09-SB-06	PS-10-SB-06	PS-11-SB-06	PS-12-SB-06	PS-13-SB-08	PS-08-SB-10	PS-14-SB-13
Depth	0 - 2 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	8 - 10 ft.	10 - 12 ft.	13 - 15 ft.
	BACKGROUND												
SVOCs (µg/kg)													
2-Methylnaphthalene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**200**
Acenaphthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**200**
Acenaphthylene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Anthracene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**50 JQK**
Benzo(a)anthracene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)pyrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(b)fluoranthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(k)fluoranthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Bis(2-ethylhexyl)phthalate	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Chrysene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Dibenzofuran	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	**100 JQK**
Fluoranthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**200**
Fluorene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**100**
Indeno(1,2,3-cd)pyrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Naphthalene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**600**
Pentachlorophenol	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	**60 JQK**	500 U	500 U	**90 JQK**
Phenanthrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**200**
Pyrene	**70 JQK** (100 U)	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**200**

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
µg/kg = Micrograms per kilogram.
NA = Not analyzed.
PS = Treated Pole Storage area.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SB = Subsurface soil sample.
SS = Surface soil sample.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
WP = White pole storage area.

Table 6-6

TREATED POLE STORAGE AREA
SURFACE AND SUBSURFACE SOIL SAMPLES
INORGANIC AND VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99214101	99214121	99214115	99214130	99214160	99214185	99244690	99244694	99214116	99214200	99214186	99214103	99214107	99214123	99214109
CLP Inorganic Number	MJAF90	MJAF81	MJAG02	MJAF84		MJAF92	MJR303	MJQ657	MJQ658	MJAF85	MJAF93	MJR304	NA	NA	MJAG03	MJAF83
CLP Organic Number	JP553	JP542	JP104	JP546	JP109	JP556	JP126	JP408	JP409	JP547	JP557	JP127	NA	NA	JP105	JP544
Location ID Number	WP-07-SS-00	PS-01-SS-00	PS-03-SS-00	PS-07-SS-00	PS-08-SS-00	PS-11-SS-00	PS-12-SS-00	PS-13-SS-00	PS-14-SS-00	PS-07-SB-04	PS-11-SB-04	PS-12-SB-04	PS-01-SB-06	PS-02-SB-06	PS-03-SB-06	PS-04-SB-06
Depth	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.
	BACKGROUND							OILY								
Inorganics (mg/kg)																
Aluminum	23700	21000	30700	26900	54800	28900	17800	26800 JK	25200 JK	46000	27800	30800	31900	33600	39600	26100
Antimony	13.3 UJK (26 U AC)	13.7 UJK	13.4 UJK	13.6 JL	14.2 UJK	R	R	0.80 UJK	1.7 UJK	16.4 UJK	R	R	10 UJL	10 UJL	17.0 UJK	16.4 UJK
Arsenic	7.4	34.5	34.3	5.4	10.3	7.2	8.2	31.8 JL	293 JL	6.7	4.9	6.5	7.0	4.7	5.2	7.5
Barium	190	49.9	113	70.4	109	137	217	109	73.3	389	255	246	159	235	330	294
Beryllium	0.48 JBK (1.13 U)	0.40 U	0.61 U	0.56 U	0.76 U	0.77 U	1.2 JBK	0.63 JBK	0.68 JBK	1.1 JBK	0.99 U	0.88 JBK	0.70	0.76	1.6	1 JBK
Cadmium	0.79 U	0.82 U	0.80 U	0.77 U	0.85 U	0.97 U	0.88 U	0.32 JBK	0.56 JBK	0.98 U	0.96 U	0.89 U	1 U	1 U	1.0 U	0.97 U
Calcium	9090	7720	10200	14200	6890	3710	3730	9990 JL	10800 JL	5640	6380	7020	8140	8760	6070	5500
Chromium	28	20.8	41.9	27.5	34.3	43.5	40.2	22.8	156 JK (120 AC)	73.0	64.5	59.5	55	84	58.7	37.0
Cobalt	20.9	22.3	22.3	23.4	45.9	9.1 JH (7 AC)	27.5 JH (22 AC)	25.9	50.8	18.1	21.7 JH (17 AC)	26.5 JH (21 AC)	32	40	24.3	10.7 JBK
Copper	106 JH	91.1 JH (75 AC)	136 JH (110 AC)	104 JH (80 AC)	86.2 JH (71 AC)	50.2	41.2	165 JL	731 JL	64.7 JH (53 AC)	67.7	103	108	109	54.1 JH (44 AC)	53.7 JH (44 AC)
Iron	47800	43700	56900	51500	86900	43800	43800	50200	51300	63900	56500	60700	65600	73400	55600	36600
Lead	4.9	4.9	3.1	3	2.3	17.5	9.8	3.4	11.6	12.4	11.2	8.5	6.65	8.0	11.4	11.9
Magnesium	9310	13600	11000	14600	33700	4680	4920	14500 JL	13000 JL	10000	9010	9180	13800	12000	8980	6570
Manganese	564 JH	424 JH (340 AC)	643 JH (520 AC)	523 JH (420 AC)	821 JH (660 AC)	200 JH (160 AC)	908 JH (730 AC)	447 JK (360 AC)	500 JK (400 AC)	729 JH (590 AC)	665 JH (540 AC)	919 JH (740 AC)	787	1200	926 JH (750 AC)	277 JH (220 AC)
Nickel	41.6	34.8	39.5	43.9	79.6	15.2	27.4	46.5 JL	33.3 JL	53.4	40.8	51.2	43	50	47.1	31.3
Potassium	966 U	512 U	953 U	531 U	531 U	902 U	1100 U	750 JBK	747 JBK	1390 U	844 U	856 U	690	670	1070 U	986 U
Selenium	0.16 U	0.16 UJK	0.16 UJK	0.15 U	0.17 UJK	0.40 JBK	0.32 JBK	2	2.4	0.68 UJK	0.19 U	0.18 UJK	1 U	1 U	0.2 UJK	0.19 U
Silver	1.00 UJK (1.7 U AC)	1.1 UJK	1.0 UJK	0.99 UJK	1.1 UJK	1.2 UJK	1.1 UJK	2.0 JBK	2.1 JBK	1.3 UJK	1.2 UJK	1.1 UJK	0.8 JBK	0.8 JBK	1.3 UJK	1.3 UJK
Sodium	1570	5300	1820	6810	1390	355 JBK	1000 JBK	4320	8170	1230 JBK	570 JBK	977 JBK	3050	635	1110 JBK	738 JBK
Thallium	0.23 UJK (0.4 U AC)	0.23 U	0.23 U	0.22 U	0.26 JL	0.28 U	0.25 UJK	1.3 U	1.5 U	0.28 U	0.27 U	0.25 U	0.10	0.11	0.29 U	0.28 U
Vanadium	98.2 JH	84.8 JH (63 AC)	157 JH (120 AC)	142 JH (110 AC)	163 JH (120 AC)	103	131	121 JK (90 AC)	161 JK (120 AC)	172 JH (130 AC)	155	163	181	210	156 JH (116 AC)	93.7 JH (70 AC)
Zinc	81.1	47.9	82.9	81.6	71.0	58.1	53.3	79.4 JL	278 JL	122	87.1	82.0	98	110	105	65.1
VOCs (µg/kg)																
2-Butanone	11 U	11 U	10 U	10 JQK	13 UJK	14 U	14 U	10 U	12 U	14 UJK	14 U	13 U	NA	NA	14 U	14 U
Acetone	11 U	18 U	48 U	100 JH (10 AC)	39 UJK	60	79	10 U	12 U	20 UJK	14 U	13 U	NA	NA	120	75
Toluene	11 U	11 U	10 U	2 JQK	13 U	14 U	14 U	10 U	12 U	14 U	14 U	13 U	NA	NA	14 U	14 U
Trichloroethene	11 U	6 JQK	6 JQK	11 U	2 JQK	14 U	14 U	10 U	12 U	8 JQK	14 U	13 U	NA	NA	8 JQK	7 JQK

Key at the end of the table.

Table 6-6 (CONTINUED)

TREATED POLE STORAGE AREA
SURFACE AND SUBSURFACE SOIL SAMPLES
INORGANIC AND VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99214114	99214129	99214117	99214132	99214142	99214159	99214201	99214187	99244692	99214134
CLP Inorganic Number	MJAF90	NA	NA	NA	MJR291	NA	NA	NA	NA	NA	NA
CLP Organic Number	JP553	NA	NA	NA	JP110	NA	NA	NA	NA	NA	NA
Location ID Number	WP-07-SS-00	PS-05-SB-06	PS-06-SB-06	PS-07-SB-06	PS-08-SB-06	PS-09-SB-06	PS-10-SB-06	PS-11-SB-06	PS-12-SB-06	PS-13-SB-08	PS-08-SB-10
Depth	0 - 2 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	8 - 10 ft.	10 - 12 ft.
	BACKGROUND										
Inorganics (mg/kg)											
Aluminum	23700	30400	30100	29000	25100	28800	17900	22100	19200	29800	20900
Antimony	13.3 UJK (26 U AC)	8 JBL	7 JBL	7 JBL	15.9 UJK	6 JBL	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL
Arsenic	7.4	5.9	5.8	4.7	7.1	7 JL	4 JL	5	5	5 JL	1.9
Barium	190	360	357	285	249	307	177	176	100	286	110
Beryllium	0.48 JBK (1.13 U)	0.82	0.85	0.72	0.81 JBK	0.80	0.58	0.68	0.39	0.75	0.37
Cadmium	0.79 U	0.8 JBK	1 U	1 U	0.95 UJK	1 U	1 U	1 U	1 U	1 U	1 U
Calcium	9090	7080	6480	6660	7090	6870	4840	5680	5880	5910	7460
Chromium	28	61	56	58	55.6	51	28	51	17	50	20
Cobalt	20.9	33	29	20	24.5	31	9	19	18 JL	43	20
Copper	106 JH	75	76	72	64.1 JH (52 AC)	71	34	64	78	55	98
Iron	47800	63000	59800	56100	59500	58900	42500	51400	35200	57700	48300
Lead	4.9	10.1	9.85	9.37	7.1	10.3	7.95	5.87	2.3	9.09	2.22
Magnesium	9310	10300	8870	9550	10000	9610 JK	5430	8040	6790	7510	9010
Manganese	564 JH	987	896	602	585 JH (470 AC)	1040	227	558	459	2020	603
Nickel	41.6	46	57	39	29.5	36	17	30	26	38	34
Potassium	966 U	800	990	680	788 U	780 U	620	460	670 U	1100	640
Selenium	0.16 U	1 U	1 U	1 U	0.19 U	1 UJL	1 U	1 U	1 JL	0.8 U	1 U
Silver	1.00 UJK (1.7 U AC)	1 JBK	0.9 JBK	1 JBK	1.2 UJK	0.8 JBK	2 U	2 U	2 U	2 JBK	0.9 JBK
Sodium	1570	983	1040	1430	748 JBK	1190	1140	460	1220	379	1110
Thallium	0.23 UJK (0.4 U AC)	0.13	0.17	0.16	0.27 U	0.16	0.14	0.09	0.04	0.15	0.05
Vanadium	98.2 JH	175	158	149	171 JH (130 AC)	150	70	136	81	131	97
Zinc	81.1	108	116	102	89.7	96	56	78	50 JL	96	65
VOCs (µg/kg)											
2-Butanone	11 U	NA	NA	NA	14 UJK	NA	NA	NA	NA	NA	NA
Acetone	11 U	NA	NA	NA	14 UJK	NA	NA	NA	NA	NA	NA
Toluene	11 U	NA	NA	NA	14 U	NA	NA	NA	NA	NA	NA
Trichloroethene	11 U	NA	NA	NA	14 U	NA	NA	NA	NA	NA	NA

Key at the end of the table.

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
mg/kg = Milligrams per kilogram.
PS = Treated Pole Storage area.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOCs = Volatile organic components.
WP = White pole storage area.

Table 6-7

TREATED POLE STORAGE AREA SURFACE AND SUBSURFACE SOIL SAMPLES
PESTICIDE/PCB AND DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99214101	99214121	99214115	99214130	99214160	99214185	99244690	99244694	99214116	99214200	99214186	99214123	99214109	99214132
CLP Inorganic Number	MJAF90	MJAF81	MJAG02	MJAF84	MJR290	MJAF92	MJR303	MJQ657	MJQ658	MJAF85	MJAF93	MJR304	MJAG03	MJAF83	MJR291
CLP Organic Number	JP553	JP542	JP104	JP546	JP109	JP556	JP126	JP408	JP409	JP547	JP557	JP127	JP105	JP544	JP110
Location ID Number	WP-07-SS-00	PS-01-SS-00	PS-03-SS-00	PS-07-SS-00	PS-08-SS-00	PS-11-SS-00	PS-12-SS-00	PS-13-SS-00	PS-14-SS-00	PS-07-SB-04	PS-11-SB-04	PS-12-SB-04	PS-03-SB-06	PS-04-SB-06	PS-08-SB-06
Depth	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.
	BACKGROUND							OILY							
Pesticide/PCBs (µg/kg)															
4,4'-DDE	**0.19 JQK (3.8 U)**	6.5 U	3.4 U	3.8 U	**0.2 JNL**	4.5 U	4.5 U	33 U	39 U	**0.098 JQK**	4.5 U	4.2 U	**0.14 JQK**	4.4 U	4.6 U
4,4'-DDT	**0.25 JNL (12.8 AC)**	3.6 U	3.4 U	**0.70 JL**	**0.32 JNL**	4.5 U	4.5 U	33 U	39 U	3.3 U	4.5 U	**0.84 JQK**	4.6 U	**0.51 JNH**	4.6 U
Alpha-BHC	1.9 U	**5.5**	1.8 U	1.9 U	2.2 U	2.4 U	2.3 U	17 U	20 U	1.7 U	2.3 U	2.2 U	2.4 U	2.3 U	2.4 U
alpha-chlordane	1.9 U	10 U	1.8 U	1.9 U	2.2 U	2.4 U	2.3 U	17 U	20 U	1.7 U	2.3 U	2.2 U	**0.17 JNL**	2.3 U	2.4 U
Aroclor 1254	38 U	**250 JL**	34 U	38 U	43 U	46 U	45 U	330 U	390 U	33 U	46 U	42 U	46 U	44 U	46 U
Beta-BHC	1.9 U	**4.7 JNL**	**18 JNL**	14 U	**6.4 JNK**	2.4 U	2.3 U	17 U	360 U	1.7 U	2.3 U	2.2 U	2.4 U	2.3 U	**1.3 JNL**
dieldrin	3.8 U	6.1 U	3.4 U	3.8 U	4.3 U	4.6 U	4.5 U	33 U	39 U	3.3 U	4.6 U	**0.28 JQK**	4.6 U	2.3 U	4.6 U
Eendosulfan Sulfate	3.8 U	3.6 U	3.4 U	3.8 U	**0.83 JNL**	4.6 U	4.5 U	33 U	160 U	3.3 U	4.6 U	4.2 U	4.6 U	4.4 U	**0.42 JNL**
Endrin aldehyde	3.8 U	3.6 U	**1.8 JNH**	**1.3 JQK**	**0.38 JNL**	4.6 U	4.5 U	33 U	42 U	3.3 U	4.6 U	4.2 U	4.6 U	4.4 U	4.6 U
Heptachlor	1.9 U	1.8 U	1.8 U	1.9 U	2.2 U	2.4 U	**0.2 JQK**	17 U	20 U	1.7 U	2.3 U	2.2 U	2.4 U	2.3 U	2.4 U
Methoxychlor	19 U	2.0 U	18 U	19 U	22 U	**24**	23 U	170 U	200 U	170 U	230 U	22 U	24 U	23 U	24 U
Dioxin/Furans (ng/kg)															
1,2,3,4,6,7,8-HpCDD	**876.591**	**105430.2**	**37845.58**	**7411.839**	**2225.295**	**22.097**	**504.121**	**10595.39**	**738298.1**	**11.559**	**10.051**	**283.493**	**126.112**	**106.259**	1.633 U
1,2,3,4,6,7,8-HpCDF	**75.485**	**6208.8628 JK (620.89 AC)**	**3573.883**	**591.27**	**259.599**	**2.537**	**39.764**	**1001.568**	**79873.08**	**1.03 JK (0.1 AC)**	0.487 U	61.426 U	**10.142**	**9.633**	1.363 U
1,2,3,4,7,8,9-HpCDF	6.169 U	1252 U	992.746 U	155.397 U	124.388 U	0.408 U	**8.094 JQ**	165.963 U	8979 U	0.939 U	0.703 U	88.62 U	6.417 U	1.19 U	1.967 U
1,2,3,4,7,8-HxCDD	**8.905**	318.766 U	**246.949 JK (24.69 AC)**	148.723 U	144.648 U	0.259 U	**3.3**	**77.042**	**1662**	0.554 U	1.004 U	128.589 U	0.475 U	0.486 U	2.012 U
1,2,3,4,7,8-HxCDF	33.903 U	R	R	R	R	0.822 U	R	R	R	**0.365 JK (0.04 AC)**	1.026 U	72.908 U	R	**3.587 JK (0.36 AC)**	1.094 U
1,2,3,6,7,8-HxCDD	**47.578**	**4721.809**	**1307.4399 JK (130.744 AC)**	**154.134 JK (15.41 AC)**	89.742 U	**0.774**	**23.136**	**546.156**	**20304**	0.382 U	0.623 U	79.779 U	**5.891**	**4.818**	1.249 U
1,2,3,7,8,9-HxCDD	**25.229**	229.734 U	**554.104 JK (55.41 AC)**	107.185 U	104.247 U	0.204 U	**9.752**	**174.594**	**5.301**	0.436 U	0.724 U	92.674 U	**0.912 JK (0.09 AC)**	**1.22**	1.45 U
1,2,3,7,8-PeCDD	**5.209**	259.804 U	**56.166**	61.975 U	120.376 U	0.288 U	0.863 U	**32.318**	458 U	0.463 U	1.199 U	113.754 U	0.495 U	0.611 U	1.139 U
2,3,4,7,8-PeCDF	**1.033**	377.637 U	25.837 U	74.021 U	83.825 U	0.196 U	0.954 U	12.967 U	359 U	0.455 U	0.624 U	72.691 U	0.411 U	0.397 U	0.966 U
2,3,7,8-TCDD	0.128 U	204.396 U	9.573 U	56.654 U	127.66 U	0.177 U	0.664 U	**1.33**	620 U	0.378 U	0.736 U	85.019 U	0.334 U	0.399 U	1.034 U
2,3,7,8-TCDF	0.174 U	368.287 U	14.921 U	69.565 U	159.595 U	0.179 U	0.662 U	**4.785**	355 U	0.382 U	0.77 U	130.718 U	0.409 U	0.345 U	0.781 U
OCDD	**7650.317**	**939999.8**	**384829.7**	**70348.8**	**23509.12**	**207.164**	**4378.5**	**170948.5**	**8597514**	**106.527**	**84.363**	**2908.512**	**1208.615**	**887.64**	**24.67**
OCDF	**304.405**	**11225.21**	**22175.11**	**2020.39**	**1443.555**	**14.289**	**100.404**	**5008.389**	**641348.9**	**4.979 JK (0.50 AC)**	2.854 U	72.087 U	**47.528**	**35.225**	1.858 U
TEQ	**28.7**	**2539**	**1032**	**167.7**	**49.8**	**0.54**	**13.6**	**397**	**17238**	**0.2419**	**0.185**	**5.743**	**3.299**	**3.91**	**0.02467**

Key is on the next page.

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
N = Tentatively identified compound.
ng/kg = Nanograms per kilogram.
PCBs = Polychlorinated biphenyls.
PS = Treated Pole Storage area.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
TEQ = Total equivalence quotient.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
WP = White pole storage area.

Table 6-8

WHITE POLE STORAGE AREA SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUND AND INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99244665**	**99214143**	**99214140**	**99214174**	**99214188**	**99244666**	**99214180**	**99214166**	**99244667**	**99214144**	**99214181**	**99214161**
CLP Organic Number	**JP553**	**JP396**	**JP550**	**JP113**	**JP119**	**JP128**	**JP397**	**JP122**	**JP115**	**JP398**	**JP551**	**JP123**	**JP114**
CLP Inorganic Number	**MJAF90**	**MJAG11**	**MJAF87**	**MJR293**	**MJR298**	**MJR305**	**MJAG12**	**MJR300**	**MJR295**	**MJAG13**	**MJAF88**	**MJR301**	**MJR294**
Location ID Number	**WP-07-SS-00**	**BG-01-SS-00**	**WP-01-SS-00**	**WP-05-SS-00**	**WP-11-SS-00**	**WP-13-SS-00**	**BG-01-SB-02**	**WP-03-SS-02**	**WP-09-SS-02**	**BG-01-SB-04**	**WP-01-SB-04**	**WP-03-SB-04**	**WP-05-SB-04**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**2 - 4 ft.**	**2 - 4 ft.**	**2 - 4 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**4 - 6 ft.**
	BACKGROUND												
SVOCs (µg/kg)													
Acenaphthene	100 U	100 U	**100**	**200**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Anthracene	100 U	100 U	**90 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)anthracene	100 U	100 U	**100 JQK**	**70 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)pyrene	100 U	100 U	**200**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(b)fluoranthene	100 U	100 U	**300**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(k)fluoranthene	100 U	100 U	**100**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Chrysene	100 U	100 U	**300**	**100**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Fluoranthene	100 U	100 U	**300**	**300**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Fluorene	100 U	100 U	**200**	**100**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	100 U	100 U	**70 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Pentachlorophenol	500 U	**200 JQK**	500 U	**6600**	500 U	500 U	500 U	**300 JQK**	500 U	500 U	500 U	**100 JQK**	500 U
Phenanthrene	100 U	100 U	**300**	**300**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Pyrene	**70 JQK (100 U)**	100 U	**200**	**300**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Inorganics (mg/kg)													
Aluminum	**23700**	**25700**	**27100**	**31600**	**32800**	**43000**	**27000**	**28200**	**21800**	**40700**	**27100**	**43400**	**28000**
Antimony	13.3 UJK (26 U AC)	R	14.5 UJK	13.2 UJK	15.5 UJK	**15.2 JL**	R	R	15.9 UJK	R	16.3 UJK	R	15.8 UJK
Arsenic	**7.4**	**38.3**	**3.1**	**4.0**	**8.7**	0.31 U	**38.0**	**7.4**	**5.1**	**11.7**	**5.7**	**6.8**	**5.9**
Barium	**190**	**148**	**157**	**56.2**	**257**	**20.5 JBK**	**177**	**226**	**253**	**257**	**351**	**315**	**328**
Beryllium	**0.48 JBK (1.13 U)**	**0.79 JBK**	**0.74 JBK**	0.52 U	**1.0 JBK**	0.43 U	**0.91 JBK**	**0.89 JBK**	**1.0 JBK**	**1.1 JBK**	**0.95 JBK**	**1.2 JBK**	**0.82 JBK**
Cadmium	0.79 U	0.09 U	0.86 U	0.79 U	0.92 U	0.83 U	0.10 U	0.99 U	0.95 U	0.11 U	0.97 U	0.97 U	0.94 UJK
Calcium	**9090**	**7440 JK**	**5840**	**16100**	**5050**	**19700**	**6480 JK**	**3390**	**2850**	**5870 JK**	**5570**	**6180**	**6480**
Chromium	**28**	**34.2 JL**	**36.9**	**23.1**	**54.8**	**108**	**40.2 JL**	**45.8**	**42.3**	**63.7 JL**	**64.3**	**75.3**	**70.5**
Cobalt	**20.9**	**31.9**	**18.6**	**31.2**	**30.9**	**52.9 JH (42 AC)**	**30.0**	**24.8 JH (20 AC)**	**24.2**	**35.0**	**29.6**	**34.4 JH (28 AC)**	**11.9 JBK**
Copper	**106 JH**	**52.8**	**39.7 JH (32 AC)**	**60.8 JH (50 AC)**	**50.0 JH (41 AC)**	**111**	**64.0**	**40.2**	**48.1 JH (39 AC)**	**86.3**	**59.3 JH (49 AC)**	**79.4**	**67.1 JH (55 AC)**
Iron	**47800**	**52800**	**44900**	**60000**	**56700**	**83500**	**53800**	**47700**	**41700**	**65200**	**56400**	**65300**	**55100**
Lead	**4.9**	**8.7 JL**	**4.7**	**1.8**	**10.6**	1.3 U	**7.8 JL**	**11.3**	**12.4**	**6.9 JL**	**14.1**	**12.4**	**10.4**
Magnesium	**9310**	**14700 JK**	**7240**	**22900**	**6780**	**75200**	**12400 JK**	**4580**	**4410**	**9710 JK**	**8780**	**10800**	**9020**
Manganese	**564 JH**	**670 JK (540 AC)**	**730 JH (590 AC)**	**731 JH (590 AC)**	**1410 JH (1140 AC)**	**960 JH (770 AC)**	**755 JK (610 AC)**	**442 JH (360 AC)**	**1050 JH (850 AC)**	**1110 JK (900 AC)**	**1180 JH (950 AC)**	**1170 JH (940 AC)**	**445 JH (360 AC)**
Nickel	**41.6**	**38.5 JK (28 AC)**	**22.0**	**42.0**	**29.6**	**338**	**36.5 JK (27 AC)**	**25.6**	**22.1**	**40.6 JK (30 AC)**	**51.2**	**55.6**	**41.9**
Potassium	966 U	**1820**	793 U	399 U	**2100**	364 U	**1730**	901 U	**2300**	**1230 JBK**	1060 U	1190 U	878 U
Selenium	0.16 U	**1.5 JL**	0.17 U	0.16 UJK	0.18 U	0.17 UJK	**1.1 JBL**	**0.33 JBK**	0.35 U	**1.0 JBL**	0.38 U	0.19 UJK	0.33 UJK
Silver	1.00 UJK (1.7 U AC)	**2 JBK**	1.1 UJK	1.0 UJK	1.2 UJK	1.1 UJK	**2.3 JBK**	1.3 UJK	1.2 UJK	**3.0 JBK**	1.2 UJK	1.2 UJK	1.2 UJK
Sodium	**1570**	**1780**	**2390**	**11300**	**1180**	**4190**	**1610**	**489 JBK**	398 U	**630 JBK**	**863 JBK**	**644 JBK**	**633 JBK**
Thallium	0.23 UJK (0.4 U AC)	1.3 U	**0.26 JBL**	**0.24 JBL**	**0.32 JL**	**0.28 JL**	1.4 U	0.28 U	0.27 U	1.5 U	0.28 U	0.28 UJK	0.27 U
Vanadium	**98.2 JH**	**127 JL**	**109 JH (80 AC)**	**145 JK (110 AC)**	**151 JH (110 AC)**	**177**	**142 JL**	**112**	**123 JH (90 AC)**	**188 JL**	**149 JH (110 AC)**	**175**	**153 JH (110 AC)**
Zinc	**81.1**	**67.1 JL**	56.5	**66.6**	**84.7**	**86.9**	**66.9 JL**	**62.2**	**71.8**	**100 JL**	**98.9**	**117**	**103**

Key is at the end of the table.

Table 6-8 (CONTINUED)

WHITE POLE STORAGE AREA SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUND AND INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99214151**	**99214167**	**99214175**	**99214189**	**99244668**	**99214145**	**99214139**	**99214182**	**99214148**	**99214162**	**99214165**	**99214152**
CLP Organic Number	**JP553**	**JP554**	**JP116**	**JP120**	**JP129**	**JP399**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
CLP Inorganic Number	**MJAF90**	**MJAF91**	**MJR296**	**MJR299**	**MJR306**	**MJQ649**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Location ID Number	**WP-07-SS-00**	**WP-07-SB-04**	**WP-09-SB-04**	**WP-11-SB-04**	**WP-13-SB-04**	**BG-01-SB-06**	**WP-01-SB-06**	**WP-02-SB-06**	**WP-03-SB-06**	**WP-04-SB-06**	**WP-05-SB-06**	**WP-06-SB-06**	**WP-07-SB-06**
Depth	**0 - 2 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**6 - 8 ft.**	**6 - 8 ft.**	**6 - 8 ft.**	**6 - 8 ft.**	**6 - 8 ft.**	**6 - 8 ft.**	**6 - 8 ft.**	**6 - 8 ft.**
	BACKGROUND												
SVOCs (µg/kg)													
Acenaphthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Anthracene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)anthracene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)pyrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(b)fluoranthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(k)fluoranthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Chrysene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Fluoranthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**100**	100 U	100 U	100 U	100 U
Fluorene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Pentachlorophenol	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	**1300**	500 U	500 U	500 U	500 U
Phenanthrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Pyrene	**70 JQK (100 U)**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**100**	100 U	100 U	100 U	100 U
Inorganics (mg/kg)													
Aluminum	**23700**	**24900**	**29800**	**42000**	**23300**	**37000**	**23300**	**26900**	**31100**	**27900**	**26400**	**31100**	**24900**
Antimony	13.3 UJK (26 U AC)	17.0 UJK	16.3 UJK	16.1 UJK	R	0.64 UJK	R	R	**6 JBL**	R	R	**7 JBL**	**7 JBL**
Arsenic	**7.4**	**5.1**	**6.6**	**7.9**	**6.3**	**14.8**	**3.0**	**6 JL**	**6 JL**	**6 JL**	**2.8 JL**	**6 JL**	**5 JL**
Barium	**190**	**166**	**216**	**399**	**324**	**262**	**252**	**209**	**253**	**196**	**233**	**279**	**280**
Beryllium	**0.48 JBK (1.13 U)**	**0.86 JBK**	**0.88 JBK**	**0.99 JBK**	0.85 U	**0.99 JBK**	**0.39**	**0.76**	**0.73**	**0.70**	**0.39**	**0.77**	**0.9**
Cadmium	0.79 U	1.0 U	0.97 U	**1.0 JBK**	0.93 U	0.11 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Calcium	**9090**	**3950**	**6490**	**6970**	**5630**	**6870 JK**	**6200**	**6410**	**7110**	**6550**	**7160**	**7310**	**6350**
Chromium	**28**	**36.2**	**57.3**	**72.6**	**52.1**	**51.2 JL**	**50**	**48**	**56**	**55**	**47**	**54**	**53**
Cobalt	**20.9**	**10.6 JBK**	**26.5**	**33.0**	**31.1 JH (25 AC)**	**31.3**	**23**	**34**	**26**	**18**	**26**	**42**	**26**
Copper	**106 JH**	**42.6 JH (35 AC)**	**60.6 JH (50 AC)**	**85.8 JH (70 AC)**	**56.7**	**104**	**71**	**72**	**78**	**67**	**85**	**87**	**69**
Iron	**47800**	**35700**	**62000**	**75500**	**47300**	**64900**	**51000**	**51200**	**55900**	**52500**	**60400**	**58700**	**54800**
Lead	**4.9**	**14.0**	**8.6**	**9.2**	**12.3**	**4.9 JL**	**5.24**	**9.57**	**8.65**	**9.63**	**4**	**8.9**	**10.5**
Magnesium	**9310**	**4300**	**10900**	**12300**	**7820**	**10300 JK**	**8650 JK**	**8940 JK**	**9530**	**8490 JK**	**9720**	**9940 JK**	**8930**
Manganese	**564 JH**	**243 JH (200 AC)**	**849 JH (680 AC)**	**1050 JH (850 AC)**	**1150 JH (930 AC)**	**957 JK (770 AC)**	**842**	**1060**	**813**	**515**	**758**	**1310**	**873**
Nickel	**41.6**	**14.6**	**30.9**	**56.9**	**38.7**	**45.5 JK (34 AC)**	**34**	**35**	**38**	**31**	**39**	**50**	**44**
Potassium	966 U	801 U	634 U	1450 U	712 U	**1080 JBK**	630 U	460 U	**630**	680 U	440 U	590 U	**820**
Selenium	0.16 U	0.61 U	0.40 U	0.19 UJK	0.19 UJK	**1.2 JBL**	1 UJL	1 UJL	1 U	1 UJL	1 UJL	1 UJL	1 U
Silver	1.00 UJK (1.7 U AC)	1.3 UJK	1.2 UJK	1.2 UJK	1.2 UJK	**2.7**	**0.9 JBK**	**0.7 JBK**	2 U	**0.8 JBK**	**1 JBK**	**1 JBK**	**1 JBK**
Sodium	**1570**	**450 JBK**	**963 JBK**	**1200 JBK**	**752 JBK**	**1120 JBK**	**792**	**931**	**671**	**642**	**573**	**736**	**691**
Thallium	0.23 UJK (0.4 U AC)	0.29 U	0.28 U	**0.37 JBL**	0.27 U	1.5 U	**0.07**	**0.14**	**0.12**	**0.13**	**0.06**	**0.13**	**0.14**
Vanadium	**98.2 JH**	**75.2 JH (56 AC)**	**164 JH (120 AC)**	**202 JH (150 AC)**	**131**	**181 JL (140 AC)**	**134**	**136**	**144**	**140**	**152**	**155**	**143**
Zinc	**81.1**	**53.6**	**73.8**	**95**	**85.1**	**98.0 JL (65 AC)**	**92**	**84**	**96**	**90**	**95**	**101**	**97**

Key is at the end of the table.

Table 6-8 (CONTINUED)

WHITE POLE STORAGE AREA SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUND AND INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99214155	99214168	99214173	99214176	99214179	99214190	99244669	99244670	99244671	99244672	99244673
CLP Organic Number	JP553	NA	NA	NA	NA	NA	NA	JP400	JP401	JP402	JP403	JP404
CLP Inorganic Number	MJAF90	NA	NA	NA	NA	NA	NA	MJQ650	MJQ651	MJQ652	MJQ653	MJQ54
Location ID Number	WP-07-SS-00	WP-08-SB-06	WP-09-SB-06	WP-10-SB-06	WP-11-SB-06	WP-12-SB-06	WP-13-SB-06	BG-01-SB-08	BG-01-SB-10	BG-01-SB-12	BG-01-SB-14	BG-01-SB-16
Depth	0 - 2 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	6 - 8 ft.	8 - 10 ft.	10 - 12 ft.	12 - 14 ft.	14 - 16 ft.	16- 18 ft.
	BACKGROUND											
SVOCs (µg/kg)												
Acenaphthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Anthracene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)anthracene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)pyrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(b)fluoranthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(k)fluoranthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Chrysene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Fluoranthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Fluorene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Pentachlorophenol	500 U	500 U	500 U	**100 JQK**	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U
Phenanthrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Pyrene	**70 JQK (100 U)**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Inorganics (mg/kg)												
Aluminum	**23700**	**29300**	**23100**	**36600**	**31900**	**27300**	**28500**	**26200**	**19900 JK**	**20400 JK**	**24100 JK**	**18800 JK**
Antimony	13.3 UJK (26 U AC)	10 UJL	R	**9 JBL**	10 UJL	10 UJL	10 UJL	R	R	R	R	R
Arsenic	**7.4**	**6**	**2.2 JL**	**2 JL**	**5 JL**	**4 JL**	**6**	**18.2**	**71.8 JL**	**13.9 JL**	**14.2 JL**	**14.4 JL**
Barium	**190**	**214**	**195**	**258**	**317**	**243**	**291**	**124**	**86.7**	**86.6**	**129**	**103**
Beryllium	**0.48 JBK (1.13 U)**	**0.17**	**0.42**	**0.36**	**0.66**	**0.68**	**0.83**	**0.74 JBK**	**0.55 JBK**	**0.59 JBK**	**0.78 JBK**	**0.71 JBK**
Cadmium	0.79 U	1 U	1 U	1 U	1 U	1 U	1 U	0.09 U	0.10 U	0.12 U	**0.15 JBK**	0.10 U
Calcium	**9090**	**7310**	**6600**	**7290**	**7320**	**6700**	**5940**	**8910 JK**	**7740 JL**	**6810 JL**	**7730 JL**	**7890 JL**
Chromium	**28**	**54**	**31**	**58**	**46**	**52**	**51**	**37.9 JL**	**17.3 JK (13 AC)**	**19.9 JK (15 AC)**	**37 JK (30 AC)**	**29.0 JK (22 AC)**
Cobalt	**20.9**	**32**	**24**	**37**	**35**	**26**	**16 JL**	**25.8**	**21.9**	**20.9**	**23.8**	**15.3**
Copper	**106 JH**	**88**	**95**	**101**	**91**	**79**	**73**	**112**	**95.3 JL**	**111 JL**	**96.5 JL**	**59.4 JL**
Iron	**47800**	**62700**	**50800**	**67800**	**62400**	**54800**	**53000**	**53000**	**39200**	**40900**	**51200**	**33400**
Lead	**4.9**	**9.07**	**3.27**	**4.02**	**7.08**	**9.45**	**10.2**	**1.7 JL**	**1.2**	**1.5**	**3.9**	**7.1**
Magnesium	**9310**	**9070**	**8850 JK**	**11700**	**10400**	**8960**	**9260**	**9800 JK**	**9150 JL**	**8330 JL**	**8380 JL**	**7810 JL**
Manganese	**564 JH**	**981**	**641**	**1130**	**1150**	**872**	**480**	**622 JK (500 AC)**	**511 JK (410 AC)**	**591 JK (480 AC)**	**0.19 JL**	**0.11 JL**
Nickel	**41.6**	**35**	**42**	**46**	**48**	**39**	**41**	**39.7 JK (29 AC)**	**36.0 JL**	**32.5 JL**	**33.3 JL**	**27.5 JL**
Potassium	966 U	**660**	450 U	**620**	**820**	**530**	**530**	**775 JBK**	**582 JBK**	**576 JBK**	**1190 JBK**	**1850**
Selenium	0.16 U	1 U	**0.4 JBL**	1 U	1 U	1 U	**0.3 JBL**	**1.3 JL**	**1.5**	**2.1**	**2.8**	**2.0**
Silver	1.00 UJK (1.7 U AC)	2 U	**0.9 JBK**	**2 JBK**	**1 JBK**	2 U	2 U	**2.2 JBK**	**1.9 JBK**	**2.0 JBK**	**2.6 JBK**	**1.4 JBK**
Sodium	**1570**	270	**661**	**517**	**956**	**485**	**858**	**1410**	**1410**	**1360 JBK**	**1400 JBK**	**962 JBK**
Thallium	0.23 UJK (0.4 U AC)	**0.11**	**0.05**	**0.06**	**0.10**	**0.12**	**0.16**	1.3 U	1.4 U	1.7 U	1.7 U	1.4 U
Vanadium	**98.2 JH**	**167**	**123**	**182**	**165**	**142**	**139 JL**	**131 JL**	**91.3 JK (68 AC)**	**95.7 JK (71 AC)**	**122 JK (90 AC)**	**72.9 JK (54 AC)**
Zinc	**81.1**	**93**	**66**	**114**	**101**	**90**	**86 JL**	**71.2 JL**	**50.8 JL**	**47.5 JL**	**70.4 JL**	**67.4 JL**

Key is at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC	= Adjusted concentration.
B	= Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
BG	= Background.
CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
ft.	= Feet.
H	= High bias.
ID	= Identification.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
L	= Low bias.
µg/kg	= Micrograms per kilogram.
mg/kg	= Milligrams per kilogram.
NA	= Not analyzed.
Q	= Analyte detected below the adjusted Contract Required Quantitation Limits.
R	= Rejected.
SB	= Subsurface soil sample.
SS	= Surface soil sample.
SVOCs	= Semivolatile organic compounds.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
WP	= White pole storage area.

Table 6-9

WHITE POLE STORAGE AREA SURFACE AND SUBSURFACE SOIL SAMPLES
VOLATILE ORGANIC COMPOUNDS , PESTICIDE/PCBS, AND DIOXIN/FURANS
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99244665	99214143	99214140	99214174	99214188	99244666	99214180	99214166	99244667	99214144	99214181	99214161	99214151	99214167	99214175	99214189	99244668	99244669	99244670	99244671	99244672	99244673
CLP Inorganic Number	MJAF90	MJAG11	MJAF87	MJR293	MJR298	MJR305	MJAG12	MJR300	MJR295	MJAG13	MJAF88	MJR301	MJR294	MJAF91	MJR296	MJR299	MJR306	MJQ649	MJQ650	MJQ651	MJQ652	MJQ653	MJQ54
CLP Organic Number	JP553	JP396	JP550	JP113	JP119	JP128	JP397	JP122	JP115	JP398	JP551	JP123	JP114	JP554	JP116	JP120	JP129	JP399	JP400	JP401	JP402	JP403	JP404
Location ID Number	WP-07-SS-00	BG-01-SS-00	WP-01-SS-00	WP-05-SS-00	WP-11-SS-00	WP-13-SS-00	BG-01-SB-02	WP-03-SS-02	WP-09-SS-02	BG-01-SB-04	WP-01-SB-04	WP-03-SB-04	WP-05-SB-04	WP-07-SB-04	WP-09-SB-04	WP-11-SB-04	WP-13-SB-04	BG-01-SB-06	BG-01-SB-08	BG-01-SB-10	BG-01-SB-12	BG-01-SB-14	BG-01-SB-16
Depth	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	2 - 4 ft.	2 - 4 ft.	2 - 4 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	6 - 8 ft.	8 - 10 ft.	10 - 12 ft.	12 - 14 ft.	14 - 16 ft.	16- 18 ft.
	BACKGROUND																						
VOCs (µg/kg)																							
2-Butanone	11 U	12 UJK	13 UJK	**2 JQK**	**31**	11 U	13 UJK	23 U	**38 JH (4 AC)**	14 UJK	13 UJK	14 U	14 UJK	14 U	**8 JQK**	14 U	14 U	13 UJK	11 UJK	11 UJK	14 UJK	13 UJK	13 U
Acetone	11 U	12 UJK	13 UJK	**16**	**140**	11 U	**48 JL**	**110**	**140 JH (14 AC)**	14 UJK	19 UJK	14 U	14 UJK	18 U	77 UJK	14 U	18 U	13 UJK	11 UJK	11 UJK	14 UJK	13 UJK	13 U
Ethylbenzene	11 U	12 U	13 U	14 U	13 U	11 U	13 U	14 U	13 U	14 U	13 U	14 U	14 U	14 U	13 U	14 U	14 U	**3 JQK**	11 U	11 U	14 U	13 U	**4 JQK**
Methylene Chloride	11 U	12 U	13 U	14 U	13 U	11 U	13 U	14 U	13 U	14 U	13 U	14 U	14 U	14 U	13 U	14 U	14 U	13 U	**6 JQK**	**6 JQK**	**7 JQK**	**7 JQK**	13 U
Styrene	11 U	12 U	13 U	14 U	13 U	11 U	13 U	14 U	13 U	14 U	13 U	14 U	14 U	14 U	13 U	14 U	14 U	**3 JQK**	11 U	11 U	14 U	13 U	**2 JQK**
Benzene	11 U	12 U	13 U	14 U	13 U	11 U	13 U	14 U	13 U	14 U	13 U	14 U	14 U	14 U	13 U	14 U	14 U	13 U	11 U	11 U	14 U	13 U	13 U
Toluene	11 U	**3 JQK**	13 U	14 U	13 U	11 U	13 U	14 U	13 U	**4 JQK**	13 U	14 U	14 U	14 U	13 U	14 U	14 U	**4 JQK**	11 U	11 U	**2 JQK**	13 U	**10 JQK**
Trichloroethene	11 U	12 U	13 U	**14 JQK**	**2 JQK**	11 U	13 U	14 U	**2 JQK**	14 U	13 U	**2 JQK**	14 U	14 U	**3 JQK**	14 U	14 U	13 U	11 U	11 U	14 U	13 U	13 U
Xylene	11 U	12 U	13 U	14 U	13 U	11 U	13 U	14 U	13 U	14 U	13 U	14 U	14 U	14 U	13 U	14 U	14 U	**4 JQK**	11 U	11 U	14 U	13 U	**5 JQK**
Pesticide/PCBs (µg/kg)																							
4,4'-DDD	**0.19 JQK (3.8 U)**	3.8 U	**0.29 JNL**	4.6 U	**0.4 JNL**	4.6 U	4.2 U	4.6 U	**1.1 JNL**	4.4 U	4.4 U	4.6 U	4.5 U	4.5 U	**0.13 JNL**	4.4 U	4.5 U	4.2 U	3.5 U	3.6 U	4.5 U	4.3 U	4.2 U
4,4'-DDE	3.8 U	**3.0 JQK**	**0.63 JQK**	**5.4 JL**	**0.38 JNL**	4.6 U	**10**	**0.55 JQK**	**21**	4.4 U	4.4 U	**1.2 JQK**	**0.9 JQK**	4.5 U	**0.51 JNL**	4.4 U	4.5 U	4.2 U	3.5 U	3.6 U	4.5 U	4.3 U	4.2 U
4,4'-DDT	**0.25 JNL (3.2 AC)**	3.8 U	4.2 U	**14 JL**	**0.27 JNL**	**0.45 JQK**	4.2 U	**0.23 JQK**	4.4 U	4.4 U	4.4 U	4.6 U	4.5 U	4.5 U	4.4 U	**0.36 JNL**	4.5 U	4.2 U	3.5 U	3.6 U	4.5 U	4.3 U	4.2 U
Aldrin	1.9 U	1.9 U	2.2 U	2.4 U	2.3 U	2.4 U	2.2 U	2.4 U	2.3 U	2.2 U	**0.06 JNL**	2.4 U	23 U	2.3 U	**0.076 JQK**	2.3 U	2.3 U	2.2 U	1.8 U	1.8 U	2.3 U	2.2 U	2.1 U
Alpha-BHC	1.9 U	1.9 U	2.2 U	2.4 U	2.3 U	2.4 U	2.2 U	2.4 U	**0.36 JQK**	2.2 U	2.3 U	2.4 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.2 U	1.8 U	1.8 U	2.3 U	2.2 U	2.1 U
Beta-BHC	1.9 U	1.9 U	2.2 U	15 U	2.3 U	2.4 U	2.2 U	2.4 U	2.3 U	2.2 U	2.3 U	2.4 U	**0.65 JNK**	2.3 U	**0.25 JQK**	2.3 U	2.3 U	2.2 U	1.8 U	1.8 U	2.3 U	2.2 U	2.1 U
Dieldrin	3.8 U	3.8 U	4.2 U	**2.3 JNL**	4.4 U	4.6 U	4.2 U	4.6 U	4.4 U	4.4 U	4.4 U	**0.40 JNL**	4.5 U	4.5 U	4.4 U	**0.12 JNL**	**0.17 JQK**	4.2 U	3.5 U	3.6 U	4.5 U	4.3 U	4.2 U
Endosulfan I	1.9 U	1.9 U	2.2 U	2.4 U	2.3 U	2.4 U	2.2 U	2.4 U	2.3 U	2.2 U	2.3 U	2.4 U	**0.16 JNL**	2.3 U	2.3 U	2.3 U	2.3 U	2.2 U	1.8 U	1.8 U	2.3 U	2.2 U	2.1 U
Endosulfan sulfate	3.8 U	3.8 U	4.2 U	**5.9 JNL**	4.4 U	4.6 U	4.2 U	**0.27 JNL**	**0.13 JQK**	4.4 U	4.4 U	4.6 U	4.5 U	4.5 U	4.4 U	4.4 U	4.5 U	4.2 U	3.5 U	3.6 U	4.5 U	4.3 U	4.2 U
Endrin	3.8 U	3.8 U	4.2 U	**8.9 JL**	4.4 U	4.6 U	4.2 U	4.6 U	**0.36 JQK**	4.4 U	4.4 U	4.6 U	4.5 U	4.5 U	4.4 U	4.4 U	4.5 U	4.2 U	3.5 U	3.6 U	4.5 U	4.3 U	4.2 U
Endrin aldehyde	3.8 U	3.8 U	4.2 U	**13**	4.4 U	4.6 U	4.2 U	4.6 U	4.4 U	4.4 U	4.4 U	4.6 U	4.5 U	4.5 U	4.4 U	4.4 U	4.5 U	4.2 U	3.5 U	3.6 U	4.5 U	4.3 U	4.2 U
Endrin ketone	3.8 U	3.8 U	4.2 U	**7.4 JNL**	4.4 U	4.6 U	4.2 U	4.6 U	4.4 U	4.4 U	4.4 U	4.6 U	4.5 U	4.5 U	4.4 U	4.4 U	4.5 U	4.2 U	3.5 U	3.6 U	4.5 U	4.3 U	4.2 U
Gamma-chlordane	1.9 U	1.9 U	4.2 U	**2.5 JL**	**0.34 JNL**	2.4 U	2.2 U	2.4 U	2.3 U	2.2 U	2.3 U	2.4 U	2.3 U	2.3 U	**0.25 JNL**	2.3 U	2.3 U	2.2 U	1.8 U	1.8 U	2.3 U	2.2 U	2.1 U
Methoxychlor	19 U	19 U	22 U	**26 JL**	**3.2 JNL**	24 U	22 U	24 U	23 U	22 U	**2.0 JQK**	24 U	**0.21 JNL**	23 U	23 U	23 U	23 U	22 U	18 U	18 U	23 U	22 U	21 U
Dioxin/Furans (ng/kg)																							
1,2,3,4,6,7,8-HpCDD	**876.591**	**4342.326**	**1157.705**	**29772.15**	**127.295**	**79.355**	**400.771**	**58.524**	**138.101**	**183.855**	**5.529**	**29.382**	**9.526**	**1.837**	**73.373**	**24.889**	**2.334**	**442.274**	**245.361**	**200.823**	**10.105**	**9.147**	1.8 U
1,2,3,4,6,7,8-HpCDF	**75.485**	**269.335**	**72.988**	**2304.556**	**4.211**	**6.425**	**29.177**	**4.533**	**15.432**	**14.488**	1.661 U	**3.208**	0.741 U	1.332 U	**5.203**	**0.727**	1.171 U	**30.973**	**16.661**	**13.332**	0.665 U	**0.778**	0.358 U
1,2,3,4,7,8,9-HpCDF	6.169 U	5.145 U	5.088 U	196.929 U	0.634 U	4.139 U	**2.056**	0.438 U	2.112 U	2.992 U	2.396 U	0.532 U	0.205 U	1.921 U	0.6 U	0.687 U	1.69 U	8.331 U	6.858 U	4.431 U	0.31 U	0.228 U	0.232 U
1,2,3,4,7,8-HxCDD	**8.905**	**44.613**	**8.492**	**173.185**	0.707 U	1.205 U	**6.49**	0.28 U	0.784 U	**2.633**	0.982 U	0.806 U	0.245 U	0.747 U	0.714 U	0.809 U	2.509 U	**6.138**	**4.34**	**2.498**	0.281 U	0.246 U	0.267 U
1,2,3,4,7,8-HxCDF	33.903 U	R	23.981 U	764.086 U	1.003 U	R	R	1.027 U	6.738 U	R	0.919 U	1.093 U	0.202 U	0.847 U	2.147 U	0.744 U	2.143 U	R	R	15.06 U	**0.955**	0.664 U	0.269 U
1,2,3,6,7,8-HxCDD	**47.578**	**192.69**	**54.753**	**1698.362**	**5.134**	**3.184**	**19.245**	2.41 U	**5.685**	**9.442**	0.609 U	**1.286**	0.169 U	0.463 U	**4.422**	**1.318**	1.556 U	**20.896**	**13.45**	**8.409**	**0.502**	0.166 U	0.18 U
1,2,3,7,8,9-HxCDD	**25.229**	**101.708**	**22.737**	**516.702**	0.556 U	0.869 U	**12.816**	0.22 U	0.617 U	**4.934**	0.708 U	0.634 U	0.193 U	0.538 U	**1.855**	0.637 U	1.808 U	**11.394**	**7.698**	**4.755**	0.217 U	0.19 U	0.206 U
1,2,3,7,8-PeCDD	**5.209**	**21.796**	**5.304**	**99.934**	0.692 U	0.643 U	**2.513**	0.306 U	0.92 U	**1.099 JK (0.11 AC)**	1.018 U	0.655 U	0.248 U	0.768 U	0.261 U	0.824 U	1.793 U	**2.752**	**1.626**	**1.114**	0.241 U	0.243 U	0.308 U
1,2,3,7,8-PeCDF	0.313 U	**7.884**	**29.531**	**76.375**	0.707 U	0.408 U	0.357 U	0.202 U	0.562 U	**0.294**	0.514 U	0.464 U	0.193 U	0.522 U	0.174 U	0.511 U	1.058 U	0.316 U	0.253 U	0.11 U	0.148 U	0.147 U	0.205 U
2,3,4,6,7,8-HxCDF	2.784 U	**18.626**	10.696 U	212.868 U	0.637 U	2.071 U	**2.478**	0.48 U	2.007 U	0.857 U	0.732 U	0.601 U	0.187 U	0.675 U	0.571 U	0.689 U	1.707 U	2.798 U	1.808 U	1.593 U	0.192 U	0.21 U	0.32 U
2,3,4,7,8-PeCDF	**1.033**	**4.459**	0.861 U	**49**	0.723 U	0.431 U	0.36 U	0.207 U	0.574 U	**0.316 JK (0.03 AC)**	0.544 U	0.474 U	0.197 U	0.552 U	0.178 U	0.523 U	1.119 U	**0.557**	0.256 U	0.112 U	0.149 U	0.149 U	0.207 U
2,3,7,8-TCDD	0.128 U	**0.82 JK (0.08 AC)**	0.773 U	**14.298**	0.481 U	0.661 U	0.273 U	0.159 U	0.497 U	0.132 U	0.518 U	0.423 U	0.158 U	0.614 U	0.215 U	0.467 U	1.468 U	0.235 U	0.258 U	0.129 U	0.171 U	0.18 U	0.248 U
2,3,7,8-TCDF	0.174 U	**1.945**	0.722 U	**19.157**	0.574 U	0.712 U	0.227 U	0.187 U	0.549 U	0.312 U	0.672 U	0.403 U	0.155 U	0.762 U	0.238 U	0.513 U	2.053 U	0.207 U	0.217 U	0.164 U	0.166 U	0.193 U	0.312 U
OCDD	**7650.317**	**41481.2**	**9558.237**	**188995.6**	**1498.447**	**675.37**	**4472.059**	**417.852**	**1141.998**	**1779.069**	34.134 U	**249.516**	**73.788**	**28.441**	**506.15**	**278.891**	**25.666**	**4491.981**	**2276.527**	**2311.839**	**113.768**	**104.98**	**25.996**
OCDF	**304.405**	**1361.512**	**235.96**	**8529.28**	**8.945**	**30.138**	**143.791**	6.509 U	**79.232**	**93.1**	0.407 U	14.619 U	**2.692**	0.589 U	**18.831**	**0.961**	1.348 U	**233.699**	**102.657**	**110.779**	**6.097**	**4.695**	**4.136**
TEQ	**28.7**	**139**	**34.8**	**851**	**3.33**	**1.882**	**14.3**	**1.0483**	**3.32**	**6.28**	**0.0894**	**0.705**	**0.172**	**0.04681**	**1.9388**	**0.667**	**0.049**	**15**	**8.36**	**6.69**	**0.367**	**0.209**	**0.0301**

Key is on the following page.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC	= Adjusted concentration.
BG	= Background.
CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
ft.	= Feet.
H	= High bias.
ID	= Identification.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
L	= Low bias.
µg/kg	= Micrograms per kilogram.
N	= Tentatively identified compound.
ng/kg	= Nanograms per kilogram.
PCBs	= Polychlorinated biphenyls.
Q	= Analyte detected below the adjusted Contract Required Quantitation Limits.
R	= Rejected.
SB	= Subsurface soil sample.
SS	= Surface soil sample.
TEQ	= Total equivalence factor.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOCs	= Volatile organic compounds.
WP	= White Pole Storage Area.

Table 6-10

ON-SITE PERIMETER SURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUND AND INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99224214	99224215	99224216	99224217	99224218	99234289	99234290	99234291	99234292	99234293	99234294	99234295	99234296	99234297
CLP Inorganic Number	MJAF90	MJQ623	MJQ624	MJQ625	MJQ626	MJQ627	MJQ694	MJQ695	MJQ696	MJQ697	MJQ698	MJQ699	MJQ700	MJQ701	MJQ702
CLP Organic Number	JP553	JP264	JP265	JP266	JP267	JP268	JP437	JP438	JP439	JP440	JP441	JP442	JP443	JP444	JP445
Location ID Number	WP-07-SS-00	OS-01-SS	OS-02-SS	OS-03-SS	OS-04-SS	OS-05-SS	OS-06-SS	OS-07-SS	OS-08-SS	OS-09-SS	OS-10-SS	OS-11-SS	OS-12-SS	OS-13-SS	OS-14-SS
Description	BACKGROUND														
SVOCs (µg/kg)															
2-Methylnaphthalene	100 U	100 U	100 U	100 U	100 U	100 U	2000 UJK	200 JL	100 UJK	100 UJK	100 U	100 U	100 U	100 JQK	100 U
Acenaphthene	100 U	100 U	100 U	100 U	70 JQK	100 U	2000 UJK	2500 UJK	100 UJK	100 UJK	100 U	100 U	100 U	300	100 U
Acenaphthylene	100 U	100 U	200 JQK	100 U	200	100 U	2000 UJK	2500 UJK	100 UJK	100 JL	200	100 U	100 U	100 JQK	100 U
Anthracene	100 U	100 U	300	100 U	900	80 JQK	2000 U	2500 UJK	100 U	200 JL	300	100 U	100 U	1700	100 U
Benzo(a)anthracene	100 U	100 U	1000	100 U	4400	200	200 JQK	2500 UJK	80 JQK	1500	1000	100 U	100 U	1100	100 U
Benzo(a)pyrene	100 U	100 JQK	1600	100 U	2300	200	300 JQK	2500 UJK	200	1900	800	100 UJK	100 U	1300	100 U
Benzo(b)fluoranthene	100 U	100	3800	100 U	7900	500	600 JQK	2500 UJK	200	7000	2400	100 UJK	100	4100	100
Benzo(k)fluoranthene	100 U	100 U	1000	100 U	4500	300	300 JQK	2500 UJK	100	4000	1300	100 UJK	100 U	2400	100 U
Bis(2-ethylhexyl)phthalate	200 U	200	200 U	200 U	200 JQK	200 U	300 JQK	8400 JL	200 U	200 U	200 U	200 U	200 U	200 JQK	200 U
Chrysene	100 U	100	1800	100 U	14000	600	400 JQK	2500 UJK	200	5000	2500	100 U	70 JQK	2000	90 JQK
Dibenzofuran	200 U	200 U	200 U	200 U	100	200 U	4000 UJK	2500 UJK	200 UJK	200 UJK	200 U	200 U	200 U	500	200 U
Fluoranthene	100 U	100	900	100 U	8600	600	300 JQK	2500 UJK	300	5000 JL	6500	100 U	100 U	3400	100 JQK
Fluorene	100 U	100 U	100 U	100 U	200	100 U	2000 UJK	2500 UJK	100 UJK	100 UJK	100 U	100 U	100 U	500	100 U
Indeno(1,2,3-cd)pyrene	100 U	800 JQK	1200	100 U	1500	100	200 JQK	2500 UJK	100	1000	500	100 UJK	60 JQK	1300	40 JQK
Naphthalene	100 U	100 U	100 U	100 U	100 U	100 U	2000 UJK	300 JL	100 UJK	100 UJK	100 U	100 U	100 U	100 JQK	100 U
Pentachlorophenol	500 U	100 JQK	12000	500 U	1400	400 JQK	10000 UJK	12500 UJK	60	2600 JL	1800	500 U	900	300 JQK	300 JQK
Phenanthrene	100 U	100	200	100 U	1300	200	100 JQK	2500 UJK	100	900 JL	1800	100 U	100 U	3100	100
Pyrene	70 JQK	100	1100	100 U	8700	800	400 JQK	2500 UJK	400	5000	5800	100 JQK	100 U	3400	80 JQK
Inorganics (mg/kg)															
Aluminum	23700	29900	12400	20700	40900	26700	24700	10100	24000	21000	27200	29500	27800	24300	13200
Antimony	13.3 UJK (26 U AC)	13.0 UJK	15.9 UJK	15.5 UJK	23.1 JL	13.4 UJK	R	R	16.6 JL	R	16.5 JL	R	13.8 U	18.8 U	13.5 U
Arsenic	7.4	7.2	778	9.7 JH (6 AC)	7.4 JH (4 AC)	13.9	10.7	6.3	9.1 JL	35.5 JL	202	8.1 JL	633	187	251
Barium	190	195	137	187	859	130	159	76.7 JBK	205	305	272	272	177	110	290
Beryllium	0.48 JBK (1.13 U)	0.62 U	1.0 JBK	1.1 JBK	0.43 U	0.64 U	0.75 U	0.30 U	0.87 U	1.1 JBK	1.1 JBK	1.0 JBK	1.2 JBK	0.47 U	1.2
Cadmium	0.79 U	0.77 U	0.95 U	0.93 U	0.74 U	0.80 U	0.93 U	1.8 U	0.83 U	0.81 U	0.82 U	0.78 U	2.7	1.2 JBK	1.3
Calcium	9090	7140	4070	2630	16100	7090	10900	6170	11000	4180	5130	5280	5280	9160	4760
Chromium	28	52.0	33.2	41.1	50.3	32.7	43.0	14.4	51.3	51.6	57.3	68.4	57.2 JH (44 AC)	39.0 JH (30 AC)	34.3 JH (26 AC)
Cobalt	20.9	34.4	22.1	19.1	36.2	25.3	33.5	8.5 JBK	26.2	60.0	65.8	37.6	48.2	18.8	129
Copper	106 JH	72.8	539	30.0 JL	85.1 JL	51.5 JL	68.4	41.4	51.1	98.4	123	74.7	1600 JK (1308 AC)	408 JK (330 AC)	106 JK (90 AC)
Iron	47800	51200	40500	45300	61400	46000	59000	22700	47200	56000	59300	63600	60500	47500	56100
Lead	4.9	19.1	18.1	22.4 JH (16 AC)	4.1 JH (3 AC)	10.0 JH (7 AC)	21.2 JH (15 AC)	19.6 JH (14 AC)	56.4 JH (39 AC)	44.2 JH (31 AC)	34.1 JH (24 AC)	13.5 JH (9 AC)	23.4 JH (16 AC)	44.5 JH (31 AC)	22.2 JH (15 AC)
Magnesium	9310	8690	2990	3680	34900	10600	16000	5460	5130	5440	6400	8280	5670	8670	3870
Manganese	564 JH	976	937	812 JH (650 AC)	723 JH (580 AC)	637 JH (520 AC)	941	316	961	2220	2520	1190	1730	618	5660
Mercury	0.07 JBK (0.08 U)	0.06 UJK	0.10 JL	0.07 JBK	0.06 JBK	0.07 JBK	0.07 JBK	0.13 U	0.06 U	0.41	0.06 U	0.06 U	0.06 U	0.11 JBK	0.06 U
Nickel	41.6	33.3	6.9 JL	16.4	112	29.9	35.4	11.5 JBK	29.0	29.1	36.5	37.1	25.2	22.2	27.6
Potassium	966 U	1190	1070 JBK	1640	944 JBK	596 JBK	1430	442 U	2240	1520	1750	1660	1710	413 JBL	827 JBK
Seleniuim	0.16 U	0.20 JL	0.37 UJK	0.21 UJK	0.15 UJK	0.16 UJK	0.19 UJK	0.35 U	0.17 UJK	0.16 U	0.16 U	0.22 UJK	0.18 UJK	0.22 UJK	0.16 UJK
Silver	1.00 UJK (1.7 U AC)	1.00 UJK	1.2 UJK	1.2 U	0.95 U	1.0 U	1.2 UJK	2.3 UJK	1.1 UJK	1.0 UJK	1.1 UJK	1.0 UJK	R	R	R
Sodium	1570	1940	292 UJK	692 JBK	13300	4990	3170	1920 JBK	607 JBK	387 U	445 U	457 JBK	1310	2230	995 JBK
Thallium	0.23 UJK (0.4 U AC)	0.22 U	0.27 U	0.26 U	0.25 JBK	0.23 UJK	0.27 UJK	0.51 U	0.24 UJK	0.23 UJK	0.30 JBL	0.22 UJK	0.24 JBL	0.32 UJK	0.23 JBL
Vanadium	98.2 JH	153	118	122	173	124	158	53.1	137	159	162	173	173 JH (130 AC)	148 JH (110 AC)	129 JH (100 AC)
Zinc	81.1	82.7	130	61.0	90.9	61.9	129	124	128	130	120	104	431	1270	203

Key is on the next page.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
mg/kg = Milligrams per kilogram.
OS = On-site soil sample.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
WP = White pole storage area.

Table 6-11

ON-SITE PERIMETER SURFACE SOIL SAMPLES
VOLATILE ORGANIC COMPOUND, PESTICIDE/PCB, AND DIOXIN/FURAN
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99224214	99224215	99224216	99224217	99224218	99234289	99234290	99234291	99234292	99234293	99234294	99234295	99234296	99234297
CLP Inorganic Number	MJAF90	MJQ623	MJQ624	MJQ625	MJQ626	MJQ627	MJQ694	MJQ695	MJQ696	MJQ697	MJQ698	MJQ699	MJQ700	MJQ701	MJQ702
CLP Organic Number	JP553	JP264	JP265	JP266	JP267	JP268	JP437	JP438	JP439	JP440	JP441	JP442	JP443	JP444	JP445
Location ID Number	WP-07-SS-00	OS-01-SS	OS-02-SS	OS-03-SS	OS-04-SS	OS-05-SS	OS-06-SS	OS-07-SS	OS-08-SS	OS-09-SS	OS-10-SS	OS-11-SS	OS-12-SS	OS-13-SS	OS-14-SS
Description	BACKGROUND														
VOCs (µg/kg)															
Chloroform	11 U	11 U	14 U	13 U	11 U	11 U	14 U	**4 JQK**	**2 JQK**	**2 JQK**	**2 JQK**	11 U	12 U	16 U	11 U
Toluene	11 U	11 U	14 U	13 U	**4 JQK**	11 U	14 U	25 UJK	**2 JQK**	**2 JQK**	**7 JQK**	**6 JQK**	12 U	**3 JQK**	11 U
Pesticides/PCBs (µg/kg)															
4,4'-DDD	**0.19 JQK (3.8 U)**	3.6 U	**12 JNH**	4.4 U	3.5 UJL	3.8 U	4.6 U	8.2 U	3.9 U	3.9 U	3.9 U	3.7 U	19 U	26 U	3.8 U
4,4'-DDE	3.8 U	3.6 U	4.4 UJL	**0.89 JQK**	3.5 UJL	3.8 U	4.6 U	8.2 U	**0.56 JQK**	**29 JQK**	**4.8 JH (0.5 AC)**	3.7 U	19 U	26 U	3.8 U
4,4'-DDT	**0.25 JNL (3.2 AC)**	**2.2 JQK**	**17 JNH**	4.4 U	**4.8 JNH**	3.8 U	4.6 U	**1.4 JQK**	**3.0 JQK**	**130**	3.9 U	**1.0 JQK**	19 U	26 U	3.8 U
Alpha-chlordane	1.9 U	1.8 U	**6.4 JNH**	2.3 U	1.8 UJL	1.9 U	**7.0 JK (0.7 AC)**	4.2 U	2.0 U	2.0 U	2.0 U	1.9 U	10 U	13 U	2 U
Beta-BHC	1.9 U	**5.9 JK (0.6 AC)**	**140 JNK**	2.3 U	**79**	**16 JNK**	**4.5 JNK**	11 U	**2.8 JNK**	**130 JH (13 AC)**	**130 JNH**	**2.6 JH (0.3 AC)**	10 U	44 U	**6.5 JNK**
Dieldrin	3.8 U	3.6 U	4.4 UJL	4.4 U	3.5 UJL	3.8 U	4.6 U	8.2 U	**0.55 JQK**	3.9 U	3.9 U	3.7 U	19 U	26 U	3.8 U
Endrin	3.8 U	3.6 U	10 UJL	4.4 U	3.8 UJL	3.8 U	4.6 U	**2.4 JQK**	3.9 U	3.9 U	3.9 U	3.7 U	19 U	26 U	3.8 U
Endrin Ketone	3.8 U	3.6 U	4.8 UJL	4.4 U	3.5 UJL	3.8 U	4.6 U	8.2 U	3.9 U	**67 JNH**	7.6 U	1.9 U	19 U	26 U	3.8 U
Gamma-BHC	1.9 U	1.8 U	**4.2 JNH**	2.3 U	1.8 UJL	1.9 U	2.4 U	4.2 U	2.0 U	2.0 U	2.0 U	1.9 U	10 U	13 U	2.0 U
Heptachlor Epoxide	1.9 U	1.8 U	**2.6 JNH**	2.3 U	1.8 UJL	1.9 U	2.4 U	4.2 U	2.0 U	2.0 U	2.0 U	1.9 U	10 U	13 U	2.0 U
Methoxychlor	19 U	18 U	45 UJH	23 U	**110 JNK**	19 U	24 U	42 U	20 U	**120 JH (12 AC)**	**62 JNH**	19 U	100 U	130 U	20 U
Dioxin/Furans (ng/kg)															
1,2,3,4,6,7,8-HpCDD	**876.591**	**988.627**	**43169.88**	**418.426**	**24631.74**	**15230.72**	**18100**	**8059.755**	**3014.405**	**18786.42**	**30515.13**	**873.453**	**63077.09**	**840847.9**	**4995.771**
1,2,3,4,6,7,8-HpCDF	**75.485**	**143.922**	**6863.332**	**40.697**	**1576.185**	**823.164**	**938.497**	**2017.497**	**252.977**	**2232.054**	**1418.527**	**91.363**	**2592.494**	**12920.16**	**841.048**
1,2,3,4,7,8,9-HpCDF	6.169 U	**7.383**	**546.79**	**3.222 JK (0.32 AC)**	286.229 U	185.334 U	**62.661**	75.421 U	26.694 U	**166.453**	**61.692**	43.645 U	**146.457**	**831.712**	**61.233**
1,2,3,4,7,8-HxCDD	**8.905**	**10.659**	**407.086**	**2.836**	**312.318**	**133.748**	**81.927**	**232.785**	**32.7**	**330.44**	**321.728**	**14.054**	**944.052**	**25341.97**	**126.073**
1,2,3,4,7,8-HxCDF	33.903 U	R	R	R	R	R	R	R	**44.532 JK (4.45 AC)**	**766.115 JK (76.61 AC)**	**620.33**	R	R	**8950.748 JK (895.07 AC)**	**282.592**
1,2,3,6,7,8-HxCDD	**47.578**	**43.234**	**886.437**	**15.941**	**1068.722**	**685.393**	**319.489**	**690.639**	**123.146**	**1246.97**	**1138.194**	**44.033**	**3417.151**	**42910.48**	**479.213**
1,2,3,6,7,8-HxCDF	2.5 U	5.852 U	113.772 U	1.246 U	29.4 U	40.377 U	21.041 U	33.941 U	**13.273**	**138.048**	**103.899**	8.402 U	**53.829 JK (5.38 AC)**	**1491.147**	22.708 U
1,2,3,7,8,9-HxCDD	**25.229**	**24.298**	**738.691**	**5.081 JK (0.51 AC)**	**617.712**	**287.125**	**152.397**	**599.398**	**762.762**	**762.762**	**688.83**	**28.569**	**3474.576**	**68665.17**	**305.719**
1,2,3,7,8,9-HxCDF	3.56 U	8.334 U	176.872 U	1.774 U	45.706 U	62.77 U	30.939 U	49.907 U	27.974 U	**44.353**	**49.961**	12.354 U	**46.351 JK (4.64 AC)**	32.384 U	4.829 U
1,2,3,7,8-PeCDD	**5.209**	**4.688 JK (0.47 AC)**	**111.096 JK (11.11 AC)**	0.465 U	**158.7 JK (16 AC)**	**81.19**	**66.031**	95.066 U	**12.601**	**114.588**	**106.718**	**4.412**	**508.109**	**17899.32**	**52.571**
1,2,3,7,8-PeCDF	0.313 U	1.309 U	21.572 U	0.626 U	21.724 U	16.526 U	2.128 U	15.065 U	**3.963 JK (0.40 AC)**	**43.35**	**38.723**	**2.931 JK (0.29 AC)**	**61.066**	**335.959**	**20.91 JK (2.1 AC)**
2,3,4,6,7,8-HxCDF	2.784 U	6.517 U	131.648 U	1.387 U	34.02 U	46.721 U	104 U	35.469 U	14.669 U	**165.131**	**146.039**	8.78 U	**176.612**	**1163.867**	**41.864**
2,3,4,7,8-PeCDF	**1.033**	1.338 U	22.366 U	0.64 U	22.523 U	17.135 U	**17.997**	15.221 U	**2.67 JK (0.3 AC)**	**52.424**	**54.234**	**1.921**	**54.03**	**297.894**	**16.963**
2,3,7,8-TCDD	0.128 U	0.325 U	29.507 U	0.31 U	16.23 U	16.802 U	0.587 U	7.861 U	0.215 U	**4.241**	**3.947**	0.17 U	**29.044 JK (2.90 AC)**	**1275.5**	**3.674**
2,3,7,8-TCDF	0.174 U	0.341 U	26.677 U	0.405 U	11.534 U	17.748 U	4.954 U	9.865 U	0.401 U	**12.635**	**12.042**	0.653 UJK	18.322 U	**73.577**	5.943 U
OCDD	**7650.317**	**10777.87**	**413056**	**2190.663**	**197956.6**	**109056.9**	**174292**	**62207.92**	**18505.5**	**161871.4**	**331168**	**11851.45**	**433402.3**	**3227403**	**46432.89**
OCDF	**304.405**	**667.771**	**59425.59**	**370.436**	**5517.067**	**1911.95**	**9845.505**	**7356.22**	**1579.279**	**12677.37**	**3436.596**	**273.692**	**8871.809**	**54301.39**	**3243.98**
TEQ	**0.287**	**33.04**	**1237**	**9.57**	**745**	**423**	**473**	**417**	**91.4**	**822**	**1050**	**33.9**	**2320**	**36900**	**274**

Key is on the next page.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
N = Tentatively identified compound.
ng/kg = Nanograms per kilogram.
OS = On-site soil sample.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SS = Surface soil sample.
TEQ = Total equivalence quotient.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
WP = White pole storage area.

Table 6-12

TRUCK MAINTENANCE SHOP FACILITY
SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUND AND INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99234309**	**99234371**	**99234360**	**99234310**	**99234361**	**99234308**	**99234311**	**99234373**	**99234366**	**99234362**	**99234378**	**99234374**
CLP Organic Number	**JP553**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
CLP Inorganic Number	**MJAF90**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Location ID Number	**WP-07-SS-00**	**TS-02-SS-00**	**TS-04-SS-00**	**TS-06-SS-00**	**TS-02-SB-04**	**TS-06-SB-04**	**TS-01-SB-06**	**TS-02-SB-06**	**TS-04-SB-06**	**TS-05-SB-06**	**TS-06-SB-06**	**TS-03-SB-10**	**TS-04-SB-10**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**6 - 8 ft.**	**6 - 8 ft.**	**6 - 8 ft.**	**6 - 8 ft.**	**6 - 8 ft.**	**10 - 12 ft.**	**10 - 12 ft.**
	BACKGROUND												
SVOCs (µg/kg)													
2-Methylnaphthalene	100 U	100 U	**90 JQK**	**300 JQK**	100 U	100 U	NA	NA	100 U	NA	NA	NA	NA
Acenaphthene	100 U	100 U	200 U	**200 JQK**	100 U	100 U	NA	NA	100 U	NA	NA	NA	NA
Benzo(k)fluoranthene	100 U	100 UJK	**80 JQK**	1000 UJK	100 U	100 U	NA	NA	100 U	NA	NA	NA	NA
Chrysene	100 U	100 U	**200 JQK**	1000 UJK	100 U	100 U	NA	NA	100 U	NA	NA	NA	NA
Dibenzofuran	200 U	200 U	400 U	**100 JQK**	200 U	200 U	NA	NA	200 U	NA	NA	NA	NA
Fluoranthene	100 U	100 U	200 U	**100 JQK**	100 U	100 U	NA	NA	100 U	NA	NA	NA	NA
Fluorene	100 U	100 U	200 U	**200 JQK**	100 U	100 U	NA	NA	100 U	NA	NA	NA	NA
Naphthalene	100 U	100 U	200 U	**300 JQK**	100 U	100 U	NA	NA	100 U	NA	NA	NA	NA
Phenanthrene	100 U	100 U	**100 JQK**	**300 JQK**	100 U	100 U	NA	NA	100 U	NA	NA	NA	NA
Pyrene	**70 JQK (100 U)**	100 U	**200 JQK**	**200 JQK**	100 U	100 U	NA	NA	100 U	NA	NA	NA	NA
Inorganics (mg/kg)													
Aluminum	**23700**	**24600**	**26800**	**38300**	**18800**	**22400**	**32800**	**17500**	**36100**	**20500**	**25100**	**26600**	**28600**
Antimony	13.3 UJK (26 U AC)	**16.9 JL**	12.6 U	**17.1 JL**	16.4 U	R	10 UJL	10 UJL	15.8 U	**11 JBK**	10 UJL	7 UJK	10 UJL
Arsenic	**7.4**	**6.1**	**0.87 JBK**	**3.4**	**4.8**	**6.4**	**5 JL**	**4 JL**	**5.8**	**3 JL**	**2.6 JL**	**4**	**4**
Barium	**190**	**156**	**37.5 JBK**	**31.7 JBK**	**139**	**129**	**311**	**191**	**320**	**191**	**121**	**147**	**183**
Beryllium	**0.48 JBK (1.13 U)**	0.80 U	0.29 U	0.44 U	0.63 U	0.87 U	**0.95**	**0.83**	**1.1 JBK**	**0.76**	**0.58**	**0.62**	**0.71**
Cadmium	0.79 U	0.98 U	0.75 U	0.75 U	0.98 U	0.98 U	1 U	1 U	**1.1 JBK**	1 U	1 U	1 U	1 U
Calcium	**9090**	**7800**	**12200**	**21100**	**3830**	**4070**	**6260**	**4890**	**7690**	**5310**	**8870**	**7580**	**7710**
Chromium	**28**	**29.6**	**24.4 JH (19 AC)**	**24.9**	**29.3 JH (23 AC)**	**36.1**	**72**	**30**	**77.2 JH (60 AC)**	**30**	**24**	**50**	**77**
Cobalt	**20.9**	**35.0**	**25.1**	**39.4**	**6.8 JBK**	**11.7 JBK**	**31**	**16**	**30.6**	**10**	**24**	**23**	**17**
Copper	**106 JH**	**44.7**	**68.3 JK (56 AC)**	**43.9**	**40.1 JK (33 AC)**	**36.5**	**83**	**39 JL**	**82.1 JK (67 AC)**	**44 JL**	**49 JL**	**94**	**93**
Iron	**47800**	**53200**	**51300**	**79700**	**32900**	**36700**	**62300**	**30200**	**67800**	**35800**	**45800**	**59300**	**58500**
Lead	**4.9**	**18.5 JH (13 AC)**	**3.1 JH (2 AC)**	**1.3 JH (8 AC)**	**11.4 JH (8 AC)**	**13.1 JH (9 AC)**	**8.89**	**9.74**	**9.9 JH (7 AC)**	**10.9**	**8.42**	**6.72**	**6.56**
Magnesium	**9310**	**14000**	**20000**	**32800**	**4300**	**4900**	**9240**	**5300**	**10300**	**5720**	**12600**	**9120**	**9030**
Manganese	**564 JH**	**998**	**431**	**432**	**185**	**293**	**899**	**598**	**1150**	**256**	**619**	**606**	**618**
Nickel	**41.6**	**33.8**	**46.7**	**72.5**	**7.0 JBK**	**12.4**	**52**	**24**	**47.4**	**32**	**35**	**32**	**36**
Potassium	966 U	**747 JBK**	187 UJK	187 UJK	244 UJK	**524 JBK**	**750**	**400 JBK**	631 UJK	**430**	**500**	**520**	**470**
Seleniuim	0.16 U	0.20 U	0.15 UJK	0.15 UJK	0.37 UJK	0.2 U	1 U	**0.4 JBK**	0.19 UJK	1 U	1 U	1 UJK	1 UJL
Silver	1.00 UJK (1.7 U AC)	1.3 UJK	R	0.96 UJK	R	1.3 U	**0.5 JK (0.3 AC)**	2 U	R	**0.7 JBK**	2 U	**0.9 JBK**	**0.9 JBK**
Sodium	**1570**	**6790**	**8370**	**12900**	**482 JBK**	**868 JBK**	**858**	**713**	**1800**	**962**	**5510**	**1150**	**1100**
Thallium	0.23 UJK (0.4 U AC)	0.28 U	**0.27 JBL**	0.21 UJK	0.28 UJK	0.28 U	**0.13**	**0.15**	0.27 UJK	**0.14**	**0.08**	**0.07**	**0.08**
Vanadium	**98.2 JH**	**121**	**115 JH (85 AC)**	**137**	**73.5 JH (55 AC)**	**89.4**	**180**	**77**	**189 JH (140 AC)**	**80**	**108**	**164**	**176**
Zinc	**81.1**	**52.2**	**53.5**	**51.1**	**44.8**	**49.9**	**98**	**56**	**102**	**56**	**53**	**82**	**80**

Key is on the following page.

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC	= Adjusted concentration.
B	= Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
ft.	= Feet.
H	= High bias.
ID	= Identifcation.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
L	= Low bias.
µg/kg	= Micrograms per kilogram.
mg/kg	= Milligrams per kilogram.
NA	= Not analyzed.
Q	= Analyte detected below the adjusted Contract Required Quantitation Limits.
R	= Rejected.
SB	= Subsurface soil sample.
SS	= Surface soil sample.
SVOCs	= Semivolatile organic compounds.
TS	= Truck maintenance shop facility.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
WP	= White pole storage area.

Table 6-13

TRUCK MAINTENANCE SHOP FACILITY
SURFACE AND SUBSURFACE SOIL SAMPLES
VOLATILE ORGANIC COMPOUND, PESTICIDE/PCB, AND DIOXIN/FURAN
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99234309**	**99234371**	**99234360**	**99234310**	**99234361**	**99234373**
CLP Organic Number	**JP553**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
CLP Inorganic Number	**MJAF90**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Location ID Number	**WP-07-SS-00**	**TS-02-SS-00**	**TS-04-SS-00**	**TS-06-SS-00**	**TS-02-SB-04**	**TS-06-SB-04**	**TS-04-SB-06**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**6 - 8 ft.**
	BACKGROUND						
VOCs (µg/kg)							
2-Butanone	11 U	14 UJK	**1 JQK**	13 UJK	**5 JQK**	**10 JQK**	**4 JQK**
Acetone	11 U	15 UJK	11 U	13 UJK	38 UJK	**90 JH (9 AC)**	28 U
Tetrachloroethene	11 U	14 U	11 U	**4 JQK**	14 U	14 U	14 U
Toluene	11 U	14 U	11 U	13 UJK	14 U	14 U	14 U
Pesticides/PCBs (µg/kg)							
4,4'-DDD	**0.19 JQK (3.8 U)**	**0.56 JQK**	18 U	4.3 U	4.6 U	4.5 U	4.6 U
4,4'-DDE	3.8 U	**4.8**	18 U	4.3 U	4.6 U	4.5 U	4.6 U (4.6 U)
Dioxin/Furans (ng/kg)							
1,2,3,4,6,7,8-HpCDD	**876.591**	**12.813**	**226.346**	**124.782**	**2.078**	**2.737**	**3.523**
1,2,3,4,6,7,8-HpCDF	**75.485**	**1.218**	**19.561**	**12.07**	0.172 U	1.258 U	0.421 U
1,2,3,4,7,8-HxCDD	**8.905**	0.43 U	**3.343**	1.281 U	0.288 U	1.001 U	0.696 U
1,2,3,4,7,8-HxCDF	33.903 U	0.229 U	R	1.382 U	0.111 U	0.547 U	0.376 U
1,2,3,6,7,8-HxCDD	**47.578**	**0.586 JK (0.06 AC)**	**14.411**	**8.512**	0.245 U	0.674 U	0.593 U
1,2,3,7,8,9-HxCDD	**25.229**	0.408 U	**7.002 JK (0.70 AC)**	**1.215 JK (0.12 AC)**	0.273 U	0.773 U	0.66 U
2,3,4,7,8-PeCDF	**1.033**	0.107 U	0.367 U	0.542 U	0.134 U	0.548 U	0.32 U
OCDD	**7650.317**	**97.443**	**1953.046**	**808.249**	8.925 U	**15.896**	**25.7**
OCDF	**304.405**	**3.208**	**37.443**	**16.071 JK (1.60 AC)**	**0.621**	1.77 U	0.881 U
TEQ	**28.7**	**0.299**	**6.92**	**3.54**	**0.0214**	**0.0433**	**0.0609**

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
NA = Not analyzed.
ng/kg = Nanograms per kilogram.
PCBs = Polychlorinated biphenyl compounds.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
TS = Truck maintenance shop facility.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOCs = Volatile organic compounds.
WP = White pole storage area.

Table 6-14

END PAINTING FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99234312**	**99234318**	**99234380**	**99234319**	**99244625**	**99234328**	**99234333**
CLP Inorganic Number	**MJAF90**	**MJAG37**	**MJAG39**	**MJAG01**	**MJAG40**	**NA**	**NA**	**NA**
CLP Organic Number	**JP553**	**JP210**	**JP216**	**JP390**	**JP217**	**NA**	**NA**	**NA**
Location ID Number	**WP-07-SS-00**	**EP-01-SS-00**	**EP-03-SS-00**	**EP-01-SB-04**	**EP-03-SB-04**	**EP-04-SB-04**	**EP-05-SB-08**	**EP-06-SB-12**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**8 - 10 ft.**	**12 - 14 ft.**
	BACKGROUND							
SVOCs (µg/kg)								
Acenaphthene	100 U	**60 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Anthracene	100 U	**100 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)anthracene	100 U	**400 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(a)pyrene	100 U	**100 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Benzo(b)fluoranthene	100 U	**100 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Chrysene	100 U	**900**	100 U	100 U	100 U	100 U	100 U	100 U
Fluoranthene	100 U	**100 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Fluorene	100 U	**80 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Pentachlorophenol	500 U	2500 U	500 U	5000 U	500 U	500 U	500 U	500 U
Phenanthrene	100 U	**500 JQK**	100 U	100 U	100 U	100 U	100 U	100 U
Pyrene	**70 JQK (100 U)**	**900**	100 U	100 U	100 U	100 U	100 U	100 U

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

CLP = Contract Laboratory Program.
EP = End Painting Facility.
EPA = United States Environmental Protection Agency.
ft. = Feet.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
µg/kg = Micrograms per kilogram.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SB = Subsurface soil sample.
SS = Surface soil sample.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
WP = White Pole Storage Area.

Table 6-15

END PAINTING FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
INORGANIC AND VOLATILE ORGANIC COMPOUND
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99234312	99234318	99234321	99234380	99234319	99234322	99234328	99234382	99234386	99234320	99234333
CLP Inorganic Number	MJAF90	MJAG37	MJAG39	NA	MJAG01	MJAG40	NA	NA	NA	NA	NA	NA
CLP Organic Number	JP553	JP210	JP216	NA	JP390	JP217	NA	NA	NA	NA	NA	NA
Location ID Number	WP-07-SS-00	EP-01-SS-00	EP-03-SS-00	EP-04-SS-00	EP-01-SB-04	EP-03-SB-04	EP-04-SB-04	EP-05-SB-08	EP-01-SB-10	EP-02-SB-10	EP-03-SB-10	EP-06-SB-12
Depth	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	8 - 10 ft.	10 - 12 ft.	10 - 12 ft.	10 - 12 ft.	12 - 14 ft.
	BACKGROUND											
Inorganics (mg/kg)												
Aluminum	23700	42600	29400	30000	42000	19700	29000	12800	22600	25200	18100	21700
Antimony	13.3 UJK	12.9 U	16.1 U	0.77 UJK	16.7 U	13.8 U	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL
Arsenic	7.4	1.5 JBK	4.0	5.7	3.9 JK (2 AC)	3.4	2	4	4	4	2	1.4 JL
Barium	190	48.2	245	148	378	200	161	202	139	138	103	177
Beryllium	0.48 JBK (1.3 U)	0.30 U	0.99 JBK	0.9 JBK	0.94 JBK	0.47	0.82	0.90	0.6	0.66	0.46	0.63
Cadmium	0.79 U	0.77 U	0.96 U	0.11 U	1.1 JBK	0.82 U	1 U	1 U	1 U	1 U	1 U	1 U
Calcium	9090	20800	4250	3050 JK	7460	5900	4180	2720	6930	7600	6910	5760
Chromium	28	19.5 JH (15 AC)	54.9 JH (42 AC)	38.1 JL (30 AC)	90.8 JH (70 AC)	30.6 JH (24 AC)	34	24	41	75	16	35 JL
Cobalt	20.9	20.6	30.2	9.0 JBK	28.2	25.3	14	25	24	20	16	17
Copper	106 JH	113 JK (93 AC)	60.4 JK (50 AC)	46.9	83.6 JK (68 AC)	96.6 JK (79 AC)	46 JL	35 JL	81	98	115 JL	65
Iron	47800	54900	58300	37000	71100	41300	36900	34400	46500	49200	38100	44500
Lead	4.9	1.6 JH (1 AC)	19.7 JH (14 AC)	11.8 JL (8 AC)	11.7 JH (8 AC)	4.6 JH (3 AC)	9.34	17.9	6.38	6.48	2.5	10.5
Magnesium	9310	14000	6020	3980 JK	10900	6850	4650	2850	8890	9550	6890	6870
Manganese	564 JH	777	974	206 JK (160 AC)	1070	639	371	1040	375	379	385	269
Mercury	0.07 JBK (0.08 U)	0.05 U	0.07 U	0.07 U	0.07 U	0.06 U	0.04 JBK	0.2 U	0.02 JBK	0.02 JBK	0.2 U	0.03 JBK
Nickel	41.6	26.3	29.0	16.9 JK (12 AC)	66.3	29.2	17	13	34	32	25	26
Potassium	966 U	192 UJK	658 JBL	946 JBK	623 JBL	271 JBL	660	1500	450	470	500	1000
Selenium	0.16 U	0.15 UJK	0.35 UJK	1.3 JL (0.5 AC)	0.2 UJK	0.16 UJK	0.5 JBK	0.5 JBK	1 UJL	1 U	1 U	0.9 JBL
Silver	1.00 UJK (1.7 U AC)	R	R	1.7 JBK	R	R	2 U	2 U	0.6 JBK	0.8 JBK	2 U	2 U
Sodium	1570	17800	565 JBK	352 JBK	660 JBK	498 JBK	448	285	763	452	1190	588
Thallium	0.23 UJK (0.4 U AC)	0.22 UJK	0.27 UJK	1.6 U	0.39 JBL	0.28 JBL	0.19	0.14	0.07	0.07 JBK	0.05	0.16
Vanadium	98.2 JH	154 JH (110 AC)	164 JH (120 AC)	95.2 JL (71 AC)	206 JH (150 AC)	96.9 JH (72 AC)	81	100	123	158	80	109
Zinc	81.1	73.8	92.8	58.2 JL (39 AC)	122	49.8	63	50	72	84	46	72
VOCs (µg/kg)												
2-Butanone	11 U	11 U	5 JQK	14 UJK (140 U AC)	10 JQK	13 UJK	NA	NA	NA	NA	NA	NA
Acetone	11 U	28	39 UJK	14 UJK (140 U AC)	50	14 UJK	NA	NA	NA	NA	NA	NA
Benzene	11 U	11 U	14 U	14 U	14 U	13 U	NA	NA	NA	NA	NA	NA
Toluene	11 U	11 U	2 JQK	14 U	14 U	13 U	NA	NA	NA	NA	NA	NA
Xylene	11 U	11 U	2 JQK	14 U	14 U	13 U	NA	NA	NA	NA	NA	NA

Key at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EP = End Painting Facility.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
mg/kg = Milligrams per kilogram.
µg/kg = Micrograms per kilogram.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical value is the estimated sample quantitation limit.
VOCs = Volatile organic compounds.
WP = White Pole Storage Area.

Table 6-16

END PAINTING FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES PESTICIDE/PCB AND DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY TAYLOR LUMBER AND TREATING SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99234312**	**99234318**	**99234380**	**99234319**
CLP Inorganic Number	**MJAF90**	**MJAG37**	**MJAG39**	**MJAG01**	**MJAG40**
CLP Organic Number	**JP553**	**JP210**	**JP216**	**JP390**	**JP217**
Location ID Number	**WP-07-SS-00**	**EP-01-SS-00**	**EP-03-SS-00**	**EP-01-SB-04**	**EP-03-SB-04**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**4 - 6 ft.**	**4 - 6 ft.**
	BACKGROUND				
Pesticides/PCBs (µg/kg)					
4,4'-DDD	**0.19 JQK (3.8 U)**	18 U	4.7 U	4.8 U	4.4 U
4,4'-DDE	**0.19 JQK (3.8 U)**	18 U	4.7 U	4.8 U	4.4 U
4,4'-DDT	**0.25 JNL (3.2 AC)**	18 U	4.7 U	4.8 U	4.4 U
Beta-BHC	9.1 U	9.1 U	**2.6 JNK**	2.5 U	2.3 U
Dioxins/Furans (ng/kg)					
1,2,3,4,6,7,8-HpCDD	**876.591**	**261.896**	**1047.314**	0.576 U	**2.028**
1,2,3,4,6,7,8-HpCDF	**75.485**	**25.185**	**119.537**	0.38 U	**0.294**
1,2,3,4,7,8,9-HpCDF	6.169 U	6.73 U	**6.34**	0.537 U	0.33 U
1,2,3,4,7,8-HxCDD	**8.905**	5.191 U	11.126 U	0.655 U	0.236 U
1,2,3,6,7,8-HxCDD	**47.578**	**11.676**	**62.718**	0.558 U	0.166 U
1,2,3,7,8,9-HxCDD	**25.229**	4.925 U	**28.903**	0.622 U	0.188 U
1,2,3,7,8-PeCDD	**5.209**	3.095 U	**5.431**	0.604 U	0.313 U
1,2,3,7,8-PeCDF	0.313 U	2.24 U	**0.685**	0.409 U	0.246 U
2,3,4,7,8-PeCDF	**1.033**	2.263 U	2.335 U	0.413 U	0.255 U
2,3,7,8-TCDF	0.174 U	3.056 U	**0.995**	0.444 U	0.197 U
OCDD	**7650.317**	**1872.842**	**7267**	9.2 U	10.166 U
OCDF	**304.405**	**71.36 U**	**272.812**	1.386 U	0.239 U
TEQ	**28.7**	**5.91**	**31.3**	0	**0.0232**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EP = End Painting Facility.
EPA = United States Environmental Protection Agency.
ft. = Feet.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
N = Tentatively identified.
ng/kg = Nanograms per kilogram.
PCBs = Polychlorinated biphenyls.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SB = Subsurface soil sample.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical value is the estimated sample quantitation limit.
WP = White Pole Storage Area.

Table 6-17

SAWMILL FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC, INORGANIC, AND VOLATILE ORGANIC COMPOUNDS
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99244498**	**99244511**	**99234399**	**99244512**	**99244483**	**99244491**	**99244608**	**99244488**	**99244510**	**99244505**	**99244688**
CLP Organic Number	**JP553**	**JP393**	**NA**	**JP392**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
CLP Inorganic Number	**MJAF90**	**MJAG08**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Location ID Number	**WP-07-SS-00**	**SM-05-SS-00**	**SM-10-SS-00**	**SM-07-SB-04**	**SM-10-SB-04**	**SM-01-SB-08**	**SM-03-SB-08**	**SM-09-SB-08**	**SM-02-SB-12**	**SM-04-SB-12**	**SM-06-SB-12**	**SM-08-SB-12**
Sample Depth	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**8 - 10 ft.**	**8 - 10 ft.**	**8 - 10 ft.**	**12 - 14 ft.**	**12 - 14 ft.**	**12 - 14 ft.**	**12 - 14 ft.**
Sample Description	**BACKGROUND**	**OILY**										
SVOCs (µg/kg)												
Acenaphthene	100 U	100 U	1000 U	**60 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Bis(2-ethylhexyl)phthalate	200 U	**30000 JQK**	2000 U	**100 JQK**	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U
Chrysene	100 U	100 U	**100 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Fluoranthene	100 U	100 U	1000 U	**90 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Fluorene	100 U	100 U	1000 U	**70 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Phenanthrene	500 U	100 U	**100 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Pyrene	**70 JQK (100 U)**	100 U	**100 JQK**	**200**	**60 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	100 U
Inorganics (mg/kg)												
Aluminum	**23700**	**32100**	**37300**	**23400**	**16500**	**31800**	**33700**	**23600**	**22600**	**27800**	**15700**	**22600**
Antimony	13.3 UJK (26 U AC)	1.2 UJK	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL
Arsenic	**7.4 (26 U)**	**7.2**	**0.7 JBL**	**3 JL**	**2 JL**	**3 JL**	**4 JL**	**2 JL**	**3.4**	**4 JL**	**1 JL**	**4.8 JL**
Barium	**190**	**49.2**	**32**	**52**	**53**	**184**	**274**	**103**	**1545**	**160**	**73**	**130**
Beryllium	**0.48 JBK (1.13 U)**	**0.47 JBK**	**0.33**	**0.42 JH (0.3 AC)**	**0.39**	**0.64**	**1.11 JH (0.9 AC)**	**0.46**	**0.53**	**0.72 JH (0.6 AC)**	**0.37 JH (0.3 AC)**	**0.61**
Cadmium	0.79 U	**0.12 JBK**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Calcium	**9090**	**14800**	**16400**	**38600**	**10300**	**7910**	**6780**	**7710**	**7090**	**8740**	**5950**	**5090**
Chromium	**28**	**35.4**	**14 JL**	**8 JL**	**13 JL**	**54 JL**	**68 JL**	**24 JL**	**31**	**42 JL**	**17 JL**	**36**
Cobalt	**20.9**	**26.1**	**16**	**19**	**19**	**25**	**42**	**20**	**23**	**27**	**16**	**12**
Copper	**106 JH**	**81.5**	**75**	**128**	**45**	**113**	**98**	**108**	**85**	**104**	**91**	**45**
Iron	**47800**	**45800**	**38500**	**50300**	**36800**	**80500**	**76200**	**47400**	**46600**	**58100**	**35800**	**37600**
Lead	**4.9**	**5.9 JK (4 AC)**	**1.55**	**2.65**	**3.93**	**7.22**	**8.6**	**2.32**	**5.72**	**6.33**	**1.34**	**10**
Magnesium	**9310**	**23700**	**11200**	**9370**	**12300**	**12100**	**11000**	**8400**	**8180**	**10300**	**6360**	**6160**
Manganese	**564 JH**	**624**	**533**	**1100**	**366**	**897**	**1280**	**586**	**448**	**655**	**395**	**679**
Nickel	**41.6**	**95.7**	**24**	**19**	**31**	**42**	**44**	**31**	**30**	**34**	**24**	**22**
Potassium	966 U	**389 JBK**	**300 JBK**	**190**	**750**	**590**	**601**	**440**	**490**	**690**	**300 JBK**	**1000**
Selenium	0.16 U	**1.1 JBL**	1 UJL	1 U	**0.5**	1 UJL	**0.3 JBL**	1 UJL	**0.3**	1 UJL	1 UJL	1 U
Silver	1.00 UJK (1.7 U AC)	**1.7**	2 U	2 U	2 U	2 U	2 U	2 U	**2**	2 U	2 U	**1 JBK**
Sodium	**1570**	**11000**	**18100**	**8080**	**2770**	**939**	**774**	**1640**	**1300**	**1150**	**1380**	**721**
Thallium	0.23 UJK (0.4 U AC)	1.3 U	**0.03 JBK**	**0.03 JBK**	**0.05**	**0.07**	**0.13**	**0.04**	**0.08**	**0.07**	**0.02 JBK**	**0.16**
Vanadium	**98.2 JH**	**117**	**99**	**149**	**83**	**192**	**178**	**109**	**107**	**148**	**84**	**77**
Zinc	**81.1**	**243 JL**	**51**	**76**	**49**	**85**	**88**	**61**	**62**	**80**	**42**	**74**
VOCs (µg/kg)												
Toluene	11 U	11 U	NA	16 U	NA	NA	NA	NA	NA	NA	NA	NA

Key is on the next page.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC	= Adjusted concentration.
B	= Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
ft.	= Feet.
H	= High bias.
ID	= Identifcation.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
L	= Low bias.
µg/kg	= Micrograms per kilogram.
mg/kg	= Milligrams per kilogram.
NA	= Not analyzed.
Q	= Analyte detected below the adjusted Contract Required Quantitation Limits.
R	= Rejected.
SB	= Subsurface soil sample.
SM	= Sawmill.
SS	= Surface soil sample.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOC	= Volatile organic compounds.
WP	= White pole storage area.

Table 6-18

SAWMILL FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
PESTICIDE/PCB ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99244498**
CLP Inorganic Number	**MJAF90**	**MJAG08**
CLP Organic Number	**JP553**	**JP393**
Location ID Number	**WP-07-SS-00**	**SM-05-SS-00**
Sample Depth	**0 - 2 ft.**	**0 - 2 ft.**
Sample Description	**BACKGROUND**	**OILY**
Pesticides/PCBs (µg/kg)		
4,4'-DDD	**0.19 JQK (3.8 U)**	R
4,4'-DDE	3.8 U	R
4,4'-DDT	**0.25 JNL (3.2 AC)**	R
Aldrin	1.9 U	R
Alpha-BHC	1.9 U	R
Alpha-Chlordane	1.9 U	R
Aroclor 1016	38 U	R
Aroclor 1221	76 U	R
Aroclor 1232	38 U	R
Aroclor 1242	38 U	R
Aroclor 1248	38 U	R
Aroclor 1254	38 U	R
Aroclor 1260	38 U	R
Beta-BHC	1.9 U	R
Delta-BHC	1.9 U	R
Dieldrin	3.8 U	R
Endosulfan I	1.9 U	R
Endosulfan II	3.8 U	R
Endosulfan Sulfate	3.8 U	R
Endrin	3.8 U	R
Endrin Aldehyde	3.8 U	R
Endrin Ketone	3.8 U	R
Gamma-BHC	1.9 U	R
Heptachlor	1.9 U	R
Heptachlor Epoxide	1.9 U	R
Methoxychlor	1.9 U	R
Toxaphene	19 U	R
Toxaphene	190 U	R

Key is at the bottom of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
N = Tentatively identified compound.
NA = Not applicable.
PCBs = Polychlorinated biphenyls.
R = Rejected.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SM = Sawmill.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
WP = White Pole Storage Area.

Table 6-19

SAWMILL FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES DIOXIN/FURANS ANALYTICAL RESULTS SUMMARY TAYLOR LUMBER AND TREATING SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99244498**
CLP Inorganic Number	**MJAF90**	**MJAG08**
CLP Organic Number	**JP553**	**JP393**
Location ID Number	**WP-07-SS-00**	**SM-05-SS-00**
Sample Depth	**0 - 2 ft.**	**0 - 2 ft.**
Sample Description	**BACKGROUND**	
Dioxin/Furans (ng/kg)		
1,2,3,4,6,7,8-HpCDD	**876.591**	**566.439**
1,2,3,4,6,7,8-HpCDF	**75.485**	**49.315**
1,2,3,4,7,8-HxCDD	**8.905**	7.768 U
1,2,3,6,7,8-HxCDD	**47.578**	**20.542**
1,2,3,7,8,9-HxCDD	**25.229**	5.995 U
1,2,3,7,8-PeCDD	**5.209**	4.795 U
2,3,4,7,8-PeCDF	**1.033**	4.283 U
OCDD	**7650.317**	**6700.424**
OCDF	**304.405**	**253.54**
TEQ	**28.7**	**15.2**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
ng/kg = Nanograms per kilogram.
SM = Sawmill.
SS = Surface soil sample.
TEQ = Total equivalence quotient.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
WP = White Pole Storage Area.

Table 6-20

SHERIDAN FOREST PRODUCTS FACILITY SURFACE AND SUBSURFACE SOIL SAMPLES
INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99244469**	**99244451**	**99244463**	**99244456**	**99244475**	**99244461**
CLP Inorganic Number	**MJAF90**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
CLP Organic Number	**JP553**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Location ID Number	**WP-07-SS-00**	**SF-05-SS-00**	**SF-01-SB-04**	**SF-04-SB-04**	**SF-02-SB-08**	**SF-06-SB-08**	**SF-03-SB-12**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**8 - 10 ft.**	**8 - 10 ft.**	**12 - 14 ft.**
Description	**BACKGROUND**						
Inorganics (mg/kg)							
Aluminum	**23700**	**8610**	**17500**	**25100**	**28300**	**28220**	**23400**
Antimony	13.3 UJK (26 U AC)	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL
Arsenic	**7.4**	**0.4**	**5.4 JL**	**3 JL**	**5 JL**	**5**	**3 JL**
Barium	**190**	**95**	**173**	**225**	**182**	**197**	**162**
Beryllium	**0.48 JBK (1.13 U)**	**0.44 JH (0.3 AC)**	**0.88**	**0.82 JH**	**0.77 JH (0.6 AC)**	**0.85 JH (0.7 AC)**	**0.66 JH (0.5 AC)**
Calcium	**9090**	**4670**	**4540**	**5390**	**7620**	**6790**	**7950**
Chromium	**28**	**7 JL**	**28 JL**	**54 JL**	**59 JL**	**52 JL**	**48 JL**
Cobalt	**20.9**	**15**	**17**	**25**	**28**	**27**	**30**
Copper	**106 JH**	**39**	**46**	**75**	**88**	**78**	**87**
Iron	**47800**	**29500**	**36000**	**53600**	**59600**	**64300**	**54900**
Lead	**4.9**	**2.92**	**14**	**7.44**	**8.43**	**9.43**	**7.73**
Magnesium	**9310**	**2520**	**4380**	**7890**	**9610**	**9350**	**9860**
Manganese	**564 JH**	**452**	**603**	**935**	**910**	**1060**	**664**
Nickel	**41.6**	**23**	**16**	**33**	**36**	**34**	**37**
Potassium	966 U	**460**	**440**	**680**	**620**	**640**	**510**
Selenium	0.16 U	1 UJL	**0.7 JBL**	1 UJL	**0.4 JBL**	1 UJL	1 UJL
Silver	1.00 UJK (1.7 U)	2 U	2 U	2 U	2 U	2 U	2 U
Sodium	**1570**	**668**	**349**	**338**	**655**	**582**	**924**
Thallium	0.23 UJK (0.4 U AC)	**0.09**	**<u>1.6</u>**	**0.11**	**0.11**	**0.12**	**0.09**
Vanadium	**98.2 JH**	**83**	**77**	**148**	**159**	**155**	**145**
Zinc	**81.1**	**42**	**56**	**81**	**88**	**86**	**88**

Note: Only results for compounds detected in at least on sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
mg/kg = Milligrams per kilogram.
NA = Not analyzed.
R = Rejected.
SB = Subsurface soil sample.
SF = Sheridan Forest Products.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
WP = White Pole Storage Area.

Table 6-21

BOILER ASH AND UST BIOREMEDIATED SOIL WASTE PILE SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99214204**	**99214191**	**99214211**	**99214205**	**99214208**	**99214192**	**99214212**	**99214206**	**99214210**	**99214194**	**99214214**
CLP Inorganic Number	**MJAF90**	**MJAF95**	**MJR307**	**MJAG16**	**MJAG14**	**MJAG15**	**MJR308**	**MJAG17**	**NA**	**NA**	**NA**	**NA**
CLP Organic Number	**JP553**	**JP176**	**JP130**	**JP179**	**JP177**	**JP178**	**JP131**	**JP180**	**NA**	**NA**	**NA**	**NA**
Location ID Number	**WP-07-SS-00**	**AP-01-SS-00**	**AP-03-SS-00**	**AP-04-SS-00**	**AP-01-SB-04**	**AP-02-SB-04**	**AP-03-SB-04**	**AP-04-SB-04**	**AP-01-SB-06**	**AP-02-SB-08**	**AP-03-SB-08**	**AP-04-SB-08**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**6 - 8 ft.**	**8 - 10 ft.**	**8 - 10 ft.**	**8 - 10 ft.**
Sample Description	**BACKGROUND**											
SVOCs (µg/kg)												
2,4-Dinitrophenol	500 U	500 U	**200 JQK**	500 U	500 U	500 U	1000 U	5000 U	500 U	500 U	500 U	500 U
Acenaphthalene	100 U	100 U	**200**	100 U	100 U	100 U	200 U	1000 U	100 U	100 U	100 U	100 U
Anthracene	100 U	100 U	**600**	100 U	100 U	100 U	200 U	**60 JQK**	100 U	100 U	100 U	100 U
Benzo(a)anthracene	100 U	100 U	**600**	100 U	100 U	100 U	200 U	1000 U	100 U	100 U	100 U	100 U
Benzo(a)pyrene	100 U	100 U	**2300**	100 U	100 U	100 U	200 U	**200 JQK**	100 U	100 U	100 U	100 U
Benzo(b)fluoranthene	100 U	**100**	**3800**	**90 JQK**	100 U	100 U	**100 JQK**	**300 JQK**	100 U	100 U	100 U	100 U
Benzo(k)fluoranthene	100 U	100 U	**900**	100 U	100 U	100 U	200 U	1000 U	100 U	100 U	100 U	100 U
Bis(2-ethylhexyl)phthalate	200 U	200 U	**400**	200 U	200 U	200 U	**900**	2000 U	200 U	200 U	200 U	200 U
Chrysene	100 U	100 U	**1500**	**100**	100 U	100 U	**80 JQK**	**400 JQK**	100 U	100 U	100 U	100 U
Di-n-octylphthalate	300 U	300 U	300 U	300 U	300 U	300 U	**400 JQK**	3000 U	300 U	300 U	300 U	300 U
Fluoranthene	100 U	100 U	**700**	**90 JQK**	100 U	100 U	200 U	**200 JQK**	100 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	100 U	100 U	**1500**	100 U	100 U	100 U	200 U	1000 U	100 U	100 U	100 U	100 U
Pentachlorophenol	500 U	**200 JQK**	**18000**	**80 JQK**	500 U	500 U	**100 JQK**	5000 U	500 U	500 U	500 U	500 U
Phenanthrene	100 U	100 U	**300**	100 U	100 U	100 U	200 U	**400 JQK**	100 U	100 U	100 U	100 U
Pyrene	**70 JQK (100 U)**	**80 JQK**	**<u>1200</u>**	**80 JQK**	100 U	100 U	200 U	**500 JQK**	100 U	100 U	100 U	100 U

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AP = Boiler ash and UST bioremediation waste pile.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
ug/kg = Micrograms per kilogram.
NA = Not analyzed.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SB = Subsurface soil sample.
SS = Surface soil sample.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UST = Underground storage tank.
WP = White pole storage area.

Table 6-22

BOILER ASH AND UST BIOREMEDIATED SOIL WASTE PILE
SURFACE AND SUBSURFACE SOIL SAMPLE
INORGANIC AND VOLATILE ORGANIC COMPOUND
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99214204	99214191	99214211	99214205	99214208	99214192	99214212	99214206	99214210	99214194	99214214
CLP Inorganic Number	MJAF90	MJAF95	MJR307	MJAG16	MJAG14	MJAG15	MJR308	MJAG17	NA	NA	NA	NA
CLP Organic Number	JP553	JP176	JP130	JP179	JP177	JP178	JP131	JP180	NA	NA	NA	NA
Location ID Number	WP-07-SS-00	AP-01-SS-00	AP-03-SS-00	AP-04-SS-00	AP-01-SB-04	AP-02-SB-04	AP-03-SB-04	AP-04-SB-04	AP-01-SB-06	AP-02-SB-08	AP-03-SB-08	AP-04-SB-08
Depth	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	0 - 2 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	4 - 6 ft.	6 - 8 ft.	8 - 10 ft.	8 - 10 ft.	8 - 10 ft.
Sample Description	BACKGROUND											
Inorganics (mg/kg)												
Aluminum	23700	19300	33300	44100	16400	39900	32000	15800	25700	22400	26900	20500
Antimony	13.3 UJK (26 U AC)	R	14.7 UJK	20.8 JL	R	18.7 UJK	R	R	10 UJL	10 UJL	10 UJL	10 UJL
Arsenic	7.4	37.5	66.6	5.5	6.5	2.9 JBK	7.5	3.3	5	6	4	10
Barium	190	143	143	112	172	119	212	75.7	169	191	222	180
Beryllium	0.48 JBK (1.13 U)	0.67 U	0.43 JBK	0.38 U	0.93 U	0.51 JBK	1.0 JBK	0.40 U	0.71	2.15	0.85	0.96
Cadmium	0.79 U	0.93 U	1.4	0.80 U	0.99 U	1.1 U	0.91 U	0.77 U	1 U	1 U	1 U	1 U
Calcium	9090	8360	14000	18400	3370	11400	3650	6400	3520	4370	6680	4300
Chromium	28	28.1	47.6	103	30.6	34.0	47.9	19.6	33	31	34	32
Cobalt	20.9	23.9 JH (19 AC)	29.9	51.4 JH (40 AC)	25.1 JH (20 AC)	25.0	21.4 JH (17 AC)	13.4 JH (11 AC)	10 JL	35 JL	26 JL	38 JL
Copper	106 JH	104	381 JH (310 AC)	100	29.8	58.8 JH (48 AC)	54.3	33.7	46	43	105	50
Iron	47800	41900	54900	79500	45200	53400	47800	29700	40400	38500	53000	48100
Lead	4.9	8.5	26.6	3.1	13.8	10.9	12.4	4.7	14.4	10	5.84	16.9
Magnesium	9310	9480	25100	75100	3200	13300	5500	5980	4050	4900	7700	4630
Manganese	564 JH	861 JH (690 AC)	775 JH (620 AC)	965 JH (780 AC)	1930 JH (1560 AC)	758 JH (610 AC)	960 JH (770 AC)	363 JH (290 AC)	312	752	868	1000
Nickel	41.6	27.1	90.9	326	12.7	28.9	25.0	47.2	18	22	36	20
Potassium	966 U	1090 U	1760	432 U	784 U	1520 U	1440	620 U	400 U	400 U	570 U	400 U
Seleniuim	0.16 U	0.19 U	0.18 UJK	0.16 UJK	0.2 UJK	0.22 U	0.30 JBK	0.23 JBK	0.6 JBL	1 UJL	1 UJL	0.4 JBL
Silver	1.00 UJK (1.7 U AC)	1.2 UJK	1.1 UJK	1 UJK	1.3 UJK	1.4 UJK	1.2 UJK	0.98 UJK	2.0 U	2 U	2 U	2 U
Sodium	1570	2590	9850	6200	430 JBK	11900	616 JBK	3190	511	784	624	289
Thallium	0.23 UJK (0.4 U AC)	0.27 U	0.30 JL	0.23 UJK	0.28 U	0.32 U	0.26 U	0.22 U	0.2	0.15	0.09	0.16
Vanadium	98.2 JH	99.0	133 JH (100 AC)	179	92.9	134 JH (100 AC)	123	81.4	87 JL	78 JL	138 JL	91 JL
Zinc	81.1	69.1	151	82.5	47.3	79.8	75.8	56.8	56 JL	62 JL	71 JL	60 JL
VOCs (µg/kg)												
2-Butanone	11 U	14 U	12 U	4 JQK	16	14 JQK	13 U	11 JQK	NA	NA	NA	NA
Acetone	11 U	14 U	12 U	22 U	87	65	36 U	70 JH (7 AC)	NA	NA	NA	NA
Toluene	11 U	14 U	12 U	6 JQK	14 U	2 JQK	13 U	11 U	NA	NA	NA	NA
Trichloroethene	11 U	75	12 U	34	23	16 U	2 JQK	11 U	NA	NA	NA	NA
Xylene	11 U	14 U	12 U	2 JQK	14 U	16 U	13 U	11 U	NA	NA	NA	NA

Key at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
AP = Boiler ash and UST bioremediation waste pile.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
mg/kg = Milligrams per kilogram.
NA = Not analyzed.
Q = Analyte detected below the adjusted Contract Required Detection Limits.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
UST = Underground storage tank.
VOCs = Volatile organic compounds.
WP = White pole storage area.

Table 6-23

BOILER ASH AND UST BIOREMEDIATED SOIL WASTE PILE SURFACE AND SUBSURFACE SOIL SAMPLES
PESTICIDE/PCB AND DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99214204**	**99214191**	**99214211**	**99214205**	**99214208**	**99214192**	**99214212**
CLP Inorganic Number	**MJAF90**	**MJAF95**	**MJR307**	**MJAG16**	**MJAG14**	**MJAG15**	**MJR308**	**MJAG17**
CLP Organic Number	**JP553**	**JP176**	**JP130**	**JP179**	**JP177**	**JP178**	**JP131**	**JP180**
Location ID Number	**WP-07-SS-00**	**AP-01-SS-00**	**AP-03-SS-00**	**AP-04-SS-00**	**AP-01-SB-04**	**AP-02-SB-04**	**AP-03-SB-04**	**AP-04-SB-04**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**0 - 2 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**4 - 6 ft.**	**4 - 6 ft.**
Sample Description	**BACKGROUND**							
Pesticides/PCBs (µg/kg)								
4,4'-DDE	3.8 U	4.4 U	3.8 U	**0.36 JQK**	4.6 U	**1.4 JQK**	4.2 U	**5.7**
4,4'-DDT	**0.25 JNL (3.2 AC)**	4.4 U	**4.2 JH (0.3 AC)**	3.6 U	4.6 U	5.4 U	4.2 U	**18**
Alpha-Chlordane	1.9 U	2.3 U	2.0 U	1.8 U	2.4 U	**0.33 JQK**	2.2 U	1.9 U
Aroclor 1254	38 U	**22 JQK**	38 U	36 U	46 U	54 U	42 U	38 U
Beta-BHC	1.9 U	2.3 U	**46 JNH**	1.8 U	2.4 U	2.8 U	2.2 U	**14 JNK**
Endosulfan II	3.8 U	4.4 U	**1.4 JQK**	3.6 U	4.6 U	5.4 U	4.2 U	3.8 U
Endrin Aldehyde	3.8 U	2.3 U	**8.4 JH (0.8 AC)**	3.6 U	4.6 U	2.8 U	4.2 U	3.8 U
Heptachlor	1.9 U	2.3 U	2.0 U	1.8 U	2.4 U	**0.19 JQK**	2.2 U	1.9 U
Dioxin/Furans (ng/kg)								
1,2,3,4,6,7,8-HpCDD	**876.591**	**12213.68**	**69418.82**	**1178.274**	**53.286**	**743.196**	109.868 U	**84.31 JL**
1,2,3,4,6,7,8-HpCDF	**75.485**	**661.211**	**6342.543**	**98.201**	**5.188**	88.608 U	74.991 U	11.701 U
1,2,3,4,7,8-HxCDF	33.903 U	**490.868 JK (49.09 AC)**	R	R	**1.012 JK (0.10 AC)**	70.846 U	111.662 U	3.853 U
1,2,3,6,7,8-HxCDD	**47.578**	**554.698**	**1954.956**	**46.467**	**2.417 JK (0.24 AC)**	77.042 U	127.602 U	1.699 U
2,3,7,8-TCDD	0.128 U	136.627 U	346.866 U	**6.95 JK (0.7 AC)**	0.21 U	81.693 U	120.436 U	0.487 U
OCDD	**7650.317**	**115221.4**	**741140**	**11153.7**	**425.242**	**7121.006**	**1727.115**	**645.911 JL**
OCDF	**304.405**	**2683.855**	**38008.19**	**420.843**	**7.097**	**145.03**	**1647.405**	**36.188 JL**
TEQ	**28.7**	**351.1**	**1732**	**36.0**	**1.36**	**14.70**	**3.375**	**1.525**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
AP = Boiler ash and UST bioremediation waste pile.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
ug/kg = Micrograms per kilogram.
N = Tentatively identified compound.
ng/kg = Nanograms per kilogram.
NA = Not analyzed.
PCBs = Polychlorinated biphenyls.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
UST = Underground storage tank.
WP = White pole storage area.

Table 6-24

MOE'S MOUNTAIN WASTE PILE SURFACE AND SUBSURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99244477**	**99244600**	**99244479**	**99234397**	**99244602**	**99244516**	**99234391**	**99234392**
CLP Organic Number	**JP553**	**JP227**	**NA**	**JP228**	**NA**	**NA**	**NA**	**NA**	**NA**
CLP Inorganic Number	**MJAF90**	**MJAG42**	**NA**	**MJAG43**	**NA**	**NA**	**NA**	**NA**	**NA**
Location ID Number	**WP-07-SS-00**	**MM-03-SS-00**	**MM-04-SB-04**	**MM-03-SB-08**	**MM-02-SB-09**	**MM-04-SB-12**	**MM-03-SB-14**	**MM-01-SB-22**	**MM-01-SB-30**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**4 - 6 ft.**	**8 - 10 ft.**	**9 - 11 ft.**	**12 - 14 ft.**	**14 - 16 ft.**	**22 - 24 ft.**	**30 - 32 ft.**
	BACKGROUND								
SVOCs (µg/kg)									
2-Methylnaphthalene	100 U	200 U	200 U	100 U	100 U	**2000**	100 U	100 U	100 U
3- and 4-Methylphenol Coelution	200 U	400 U	**3200**	200 U	200 U	2000 U	200 U	200 U	200 U
Acenaphthene	100 U	200 U	200 U	100 U	100 U	**1000**	100 U	100 U	100 U
Anthracene	100 U	200 U	50 U	100 U	100 U	**1000**	100 U	100 U	100 U
Benzo(a)anthracene	100 U	**100 JQK**	200 U	100 U	100 U	**1000**	100 U	100 U	100 U
Benzo(a)pyrene	100 U	**90 JQK**	200 U	100 U	100 U	**800 JQK**	100 U	100 U	100 U
Benzo(b)fluoranthene	100 U	**200 JQK**	200 U	100 U	100 U	**2000**	100 U	100 U	100 U
Benzo(k)fluoranthene	100 U	**80 JQK**	200 U	100 U	100 U	**700 JQK**	100 U	100 U	100 U
Bis(2-ethylhexyl)phthalate	200 U	**200 JQK**	400 U	200 U	200 U	2000 U	200 U	200 U	200 U
Chrysene	100 U	**200**	200 U	100 U	100 U	**3000**	100 U	100 U	100 U
Dibenzofuran	200 U	400 U	400 U	200 U	200 U	**900 JQK**	200 U	200 U	200 U
Fluoranthene	100 U	**100 JQK**	200 U	100 U	100 U	**2000**	100 U	100 U	100 U
Fluorene	100 U	200 U	200 U	100 U	100 U	**1000**	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	100 U	**50 JQK**	200 U	100 U	100 U	1000 U	100 U	100 U	100 U
Naphthalene	100 U	200 U	200 U	100 U	100 U	**1000**	100 U	100 U	100 U
Phenanthrene	500 U	200 U	**100 JQK**	100 U	100 U	**2000**	100 U	100 U	100 U
Pyrene	**70 JQK (100 U)**	**100 JQK**	**90 JQK**	100 U	100 U	**3000**	100 U	100 U	100 U

Note: Only results for compounds which were detected in at least on sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
µg/kg = Micrograms per kilogram.
MM = Moe's Mountain waste pile.
NA = Not analyzed.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SB = Subsurface soil sample.
SS = Surface soil sample.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
WP = White pole storage area.

Table 6-25

MOE'S MOUNTAIN WASTE PILE
SURFACE AND SUBSURFACE SOIL SAMPLES
INORGANIC AND VOLATILE ORGANIC COMPOUNDS
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99244477**	**99244600**	**99244479**	**99234397**	**99244602**	**99244516**	**99234391**	**99234392**
CLP Inorganic Number	**MJAF90**	**MJAG42**	**NA**	**MJAG43**	**NA**	**NA**	**NA**	**NA**	**NA**
CLP Organic Number	**JP553**	**JP227**	**NA**	**JP228**	**NA**	**NA**	**NA**	**NA**	**NA**
Location ID Number	**WP-07-SS-00**	**MM-03-SS-00**	**MM-04-SB-04**	**MM-03-SB-08**	**MM-02-SB-09**	**MM-04-SB-12**	**MM-03-SB-14**	**MM-01-SB-22**	**MM-01-SB-30**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**4 - 6 ft.**	**8 - 10 ft.**	**9 - 11 ft.**	**12 - 14 ft.**	**14 - 16 ft.**	**22 - 24 ft.**	**30 - 32 ft.**
	BACKGROUND								
Inorganics (mg/kg)									
Aluminum	**23700**	**30200**	**12900**	**23800**	**18100**	**14600**	**20000**	**16700**	**24300**
Antimony	13.3 UJK (26 U AC)	R	10 UJL	R	10 UJL	10 UJL	10 UJL	10 UJL	10 UJL
Arsenic	**7.4**	**4.8**	**2 JL**	**3.8**	**2**	**3 JL**	**4 JL**	**2.2**	**108**
Barium	**190**	**76.4**	**58**	**95.8**	**79**	**73**	**176**	**67**	**31**
Beryllium	**0.48 JBK (1.13 U)**	**0.52 JBK**	**0.26**	**0.51 JBK**	**0.48**	**0.36**	**0.74**	**0.4**	**0.52**
Calcium	**9090**	**15900**	**10100**	**10800**	**6130**	**9600**	**3480**	**7380**	**6220**
Chromium	**28**	**26.7**	**23 JL**	**16.4**	**21**	**19 JL**	**27 JL**	**14**	**66**
Cobalt	**20.9**	**21.6**	**9**	**18.3**	**17**	**14**	**15**	**18**	**15**
Copper	**106 JH**	**70.3**	**39**	**58.1**	**123 JL**	**72**	**37**	**102 JL**	**21 JL**
Iron	**47800**	**43000**	**23000**	**35900**	**38500**	**31100**	**31800**	**35100**	**43300**
Lead	**4.9**	**3.4 JK (2 AC)**	**7.9**	**5.0 JK (3 AC)**	**2.59**	**26.7**	**13**	**2.03**	**0.46**
Magnesium	**9310**	**13800**	**6740**	**8560**	**7110**	**6650**	**3910**	**5820**	**10800**
Manganese	**564 JH**	**825**	**835**	**709**	**466**	**475**	**382**	**444**	**93**
Nickel	**41.6**	**32.2**	**14**	**20.9**	**25**	**21**	**14**	**24**	**41**
Potassium	**966 U**	**910 JBK**	**730**	**758 JBK**	**320**	**760**	**620**	**360**	**1950**
Seleniuim	0.16 U	**1.7 JL**	**0.40 JBL**	**1.3 JBL**	1 U	**0.3 JBL**	**0.60 JBL**	1 U	1 U
Silver	1.00 UJK (0.4 U AC)	**1.9 JBK**	2 U	**1.8 JBK**	2 U	2 U	2 U	2 U	2 U
Sodium	**1570**	**10500**	**4410**	**7050**	**720**	**1260**	**506**	**1220**	**490**
Thallium	0.23 UJK (0.4 U AC)	1.8 U	**0.02 JBK**	1.5 U	**0.04**	**0.05**	**0.18**	**0.04**	**0.06**
Vanadium	**98.2 JH**	**118**	**54**	**103**	**75**	**77**	**84**	**67**	**124**
Zinc	**81.1**	**66.0 JL**	**48**	**84.2 JL**	**40**	**97**	**46**	**45**	**13**
VOCs (µg/kg)									
Acetone	11 U	18 UJK	NA	**70 JH (7 AC)**	NA	NA	NA	NA	NA
Toluene	11 U	18 UJK	NA	14 U	NA	NA	NA	NA	NA

Key at the end of the table.

Note: Only results for compounds which were detected in at least on sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
mg/kg = Milligrams per kilogram.
MM = Moe's Mountain waste pile.
NA = Not analyzed.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical value is the estimated sample quantitation limit.
VOCs = Volatile organic compounds.
WP = White pole storage area.

Table 6-26

MOE'S MOUNTAIN WASTE PILE SURFACE AND SUBSURFACE SOIL SAMPLES PESTICIDE/PCB AND DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY TAYLOR LUMBER AND TREATING SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99244477**	**99244479**
CLP Inorganic Number	**MJAF90**	**MJAG42**	**MJAG43**
CLP Organic Number	**JP553**	**JP227**	**JP228**
Location ID Number	**WP-07-SS-00**	**MM-03-SS-00**	**MM-03-SB-08**
Depth	**0 - 2 ft.**	**0 - 2 ft.**	**8 - 10 ft.**
	BACKGROUND		
Pesticides/PCBs (µg/kg)			
4'4'-DDE	3.8 U	58 U	45 U
Dioxin/Furans (ng/kg)			
1,2,3,4,6,7,8-HpCDD	**876.591**	**339.106 JH (33.91 AC)**	**275.932**
1,2,3,4,6,7,8-HpCDF	**75.485**	15.276 UJK	**33.899**
1,2,3,4,7,8-HxCDD	**8.905**	R	**3.567**
1,2,3,6,7,8-HxCDD	**47.578**	11.836 UJK	**22.547**
1,2,3,6,7,8-HxCDF	2.5 U	R	1.655 U
1,2,3,7,8,9-HxCDD	**25.229**	R	**9.212**
1,2,3,7,8,9-HxCDF	3.56 U	R	2.62 U
1,2,3,7,8-PeCDD	**5.209**	R	**2.153**
1,2,3,7,8-PeCDF	0.313 U	R	0.527 U
2,3,4,6,7,8-HxCDF	2.784 U	R	1.935 U
2,3,4,7,8-PeCDF	**1.033**	R	0.533 U
2,3,7,8-TCDD	0.128 U	R	0.465 U
2,3,7,8-TCDF	0.174 U	R	0.631 U
OCDD	**7650.317**	**1992.4091 JH (199.24 AC)**	**2514.293**
OCDF	**304.405**	**61.918 JH (6.19 AC)**	**79.598**
TEQ	**28.7**	**5.44**	**10.3**

Note: Only results for compounds which were detected in at least on sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ft. = Feet.
ID = Identifcation.
H = High bias.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
MM = Moe's Mountain waste pile.
ng/kg = Nanograms per kilogram.
PCBs = Polychlorinated biphenyls.
Q = Analyte detected below the adjusted Contract Required Detection Limits.
R = Rejected.
SB = Subsurface soil sample.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical value is the estimated sample quantitation limit.
WP = White pole storage area.

Table 6-27

OIL/WATER SEPARATOR RETENTION PONDS SEDIMENT SAMPLES SEMIVOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS SUMMARY TAYLOR LUMBER AND TREATING SHERIDAN, OREGON

EPA Sample Number	**99244540**	**99234437**	**99234439**	**99234440**
CLP Inorganic Number	**MJAG91**	**MJQ721**	**MJQ723**	**MJQ724**
CLP Organic Number	**JP457**	**JP290**	**JP292**	**JP293**
Location ID Number	**SD-04-SD**	**MD-01-SD**	**MD-02-SD**	**MD-03-SD**
Sample Description	**BACKGROUND**	**OILY**	**OILY**	**OILY**
SVOCs (µg/kg)				
2-Methylnaphthalene	100 U	**11000**	**8000**	**100 JQK**
Acenaphthene	100 U	**2200**	**2000 JQK**	**200 JQK**
Acenaphthylene	100 U	**60 JQK**	**300 JQK**	300 U
Anthracene	100 U	**1000**	**2000**	**300 JQK**
Benzo(a)anthracene	100 U	**1600**	**1000 JQK**	**500**
Benzo(a)pyrene	100 U	**1000**	**6000**	**300 JQK**
Benzo(b)fluoranthene	100 U	**2900**	**10000**	**900**
Benzo(k)fluoranthene	100 U	**1600**	**5000**	**500**
Bis(2-ethylhexyl)phthalate	200 U	**300 JQK**	**300 JQK**	**200 JQK**
Chrysene	100 U	**2600**	**5000**	**1000**
Dibenzofuran	200 U	**1500**	**1000 JQK**	**200 JQK**
Fluoranthene	100 U	**4200**	**3000**	**1600**
Fluorene	100 U	**1800**	**1000 JQK**	**200 JQK**
Indeno(1,2,3-cd)pyrene	100 U	**500**	**2000**	**100 JQK**
Naphthalene	100 U	**7300**	**3000**	300 U
Pentachlorophenol	500 U	**1000 JQK**	**58000**	**500 JQK**
Phenanthrene	100 U	**3200**	**3000**	**700**
Pyrene	100 U	**4100**	**7000**	**1600**

Note: Only results for compounds detected in at least on sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
MD = Main ditch.
µg/kg = Micrograms per kilogram.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SD- = Sheridan Forest Products ditch.
-SD = Sediment sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.

Table 6-28

OIL/WATER SEPARATOR RETENTION PONDS SEDIMENT SAMPLES
INORGANIC AND VOLATILE ORGANIC COMPOUND ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99244540**	**99234437**	**99234439**	**99234440**
CLP Inorganic Number	**MJAG91**	**MJQ721**	**MJQ723**	**MJQ724**
CLP Organic Number	**JP457**	**JP290**	**JP292**	**JP293**
Location ID Number	**SD-04-SD**	**MD-01-SD**	**MD-02-SD**	**MD-03-SD**
Sample Description	**BACKGROUND**	**OILY**	**OILY**	**OILY**
Inorganics (mg/kg)				
Aluminum	**33400**	**31200**	**24000**	**17700**
Antimony	R	41.3 UJK	23.4 UJK	24.8 UJK
Arsenic	**8.5**	**115**	**397**	**58.0**
Barium	**224**	**123 JBK**	**78.7 JBK**	**102**
Beryllium	**0.95 JBK (1.70 U)**	0.59 U	0.26 U	0.32 U
Cadmium	0.14 U	**2.9 JBK**	1.4 U	1.5 U
Calcium	**6650**	**14200**	**10600**	**10300**
Chromium	**36.6**	**45.3**	**46.7**	**25.9**
Cobalt	**52.6**	**30.3 JBH**	**19.8 JBH**	**16.1 JBH**
Copper	**61.9**	**976 JL**	**5515 JL**	**184 JL**
Iron	**54200**	**66400**	**42300**	**38100**
Lead	**11.7 JK (17 AC)**	**11.1 JL**	**20.8 JL**	**9.5 JL**
Magnesium	**6150**	**17400**	**12800**	**7730**
Manganese	**2380**	**727 JK (590 AC)**	**430 JK (350 AC)**	**435 JK (350 AC)**
Nickel	**29.6**	**34.4**	**42.4**	**25.1**
Potassium	**1230 JBK**	**1880 JBK**	**784 JBL**	**1260 JBK**
Selenium	**1.5 JBL (1.70 U)**	0.49 U	0.29 U	0.46 U
Silver	**2.7 JBK (3.39 U)**	3.2 UJK	1.8 UJK	1.9 UJK
Sodium	**7620**	**5240**	**6020**	**5340**
Vanadium	**121**	**184**	**114**	**118**
Zinc	**270 JL (400 AC)**	**662**	**285**	**148**
VOCs (µg/kg)				
Toluene	18 U	29 U	17 U	24 U
Xylene	18 U	**21 JQK**	17 U	24 U

Note: Only results for compounds detected in at least on sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
mg/kg = Milligrams per kilogram.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SD- = Sheridan Forest Products ditch.
-SD = Sediment sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOC = Volatile organic compounds.

Table 6-29

OIL/WATER SEPARATOR RETENTION PONDS SEDIMENT SAMPLES PESTICIDE/PCB AND DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY TAYLOR LUMBER AND TREATING SHERIDAN, OREGON

EPA Sample Number	**99244540**	**99234437**	**99234439**	**99234440**
CLP Inorganic Number	**MJAG91**	**MJQ721**	**MJQ723**	**MJQ724**
CLP Organic Number	**JP457**	**JP290**	**JP292**	**JP293**
Location ID Number	**SD-04-SD**	**MD-01-SD**	**MD-02-SD**	**MD-03-SD**
Sample Description	**BACKGROUND**	**OILY**	**OILY**	**OILY**
Pesticide/PCBs (µg/kg)				
4,4'-DDD	58 U	9.7 U	5.5 U	8 U
4,4'-DDE	58 U	9.7 U	5.5 U	8 U
4,4'-DDT	58 UJK (740 U AC)	9.7 U	5.5 U	8 U
Beta-BHC	30 U	5 U	28 U	**22 JNK**
Dioxin/Furans (ng/kg)				
1,2,3,4,6,7,8-HpCDD	**7.696**	**53063**	**417997.6**	**11458.08**
1,2,3,4,6,7,8-HpCDF	0.562 U	**7722**	**38113.77**	**1232.692**
1,2,3,4,7,8-HxCDD	0.921 U	**71.027**	3422.585 U	120.069 U
1,2,3,4,7,8-HxCDF	0.648 U	550.759 U	**11085.88**	859.936 U
1,2,3,6,7,8-HxCDD	0.784 U	**240.017**	**31374.88**	**777.984**
1,2,3,7,8,9-HxCDD	0.873 U	142.183 U	**11334.08**	**368.63**
1,2,3,7,8-PeCDD	0.752 U	**31.392**	785.947 U	90.79 U
2,3,4,7,8-PeCDF	0.481 U	**6.656**	484.062 U	55.988 U
2,3,7,8-TCDD	0.705 U	**2.996**	848.412 U	69.563 U
2,3,7,8-TCDF	0.601 U	**4.107**	599.423 U	52.878 U
OCDD	**63.682**	**587525**	**3959307 JL**	**97715.67**
OCDF	**5.163**	**68981**	**105518.2**	**5111.015**
TEQ	**0.146**	**1320**	**14000**	**345**
General Chemistry Parameters (%)				
Total Organic Carbon	**3.00**	**7.25**	**6.53**	**12.4**

Note: Only results for compounds detected in at least on sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
MD = Main ditch.
µg/kg = Micrograms per kilogram.
N = Tentatively identified compound.
ng/kg = Nanograms per kilogram.
SD- = Sheridan Forest Products ditch..
-SD = Sediment sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.

Table 6-30

OIL/WATER SEPARATOR RETENTION PONDS AND FIRE PROTECTION POND SURFACE WATER SAMPLES ANALYTICAL RESULTS SUMMARY TAYLOR LUMBER AND TREATING SHERIDAN, OREGON

EPA Sample Number	**99234430**	**99234436**	**99234438**	**99234313**
CLP Organic Number	**JP283**	**JP289**	**JP291**	**JP211**
CLP Inorganic Number	**MJQ714**	**MJQ720**	**MJQ722**	**MJAG38**
Location ID Number	**RC-03-SW**	**MD-01-SW**	**MD-02-SW**	**FP-01-SW**
	BACKGROUND	**OILY**	**OILY**	
SVOCs (µg/L)				
Bis(2-ethylhexyl)phthalate	10 U	**10**	**18**	10 UJK
Pentachlorophenol	25 U	**3 JQK**	25 U	25 U
Inorganics (µg/L)				
Aluminum	**296**	**2090**	**812**	**139 JBK**
Arsenic	4.2 U	**73.0**	**39.2**	4.2 U
Barium	**18.9 JBK (200 U)**	**22.7 JBK**	**18.4 JBK**	**20.1 JBK**
Calcium	**11600 JH**	**27000 JH**	**23800**	**9230 JH**
Chromium	0.70 U	2.4 U	**3.3 JBK**	0.70 U
Cobalt	2.2 U	**2.6 JBK**	2.2 U	2.2 U
Copper	**4.0 JBK (25 U)**	**68.3**	**25.4**	**8.6 JBK**
Iron	**669**	**4270**	**1560**	**686**
Lead	1.9 U	**5.4**	**3.0 JBK**	1.9 U
Magnesium	**3820 JBK**	**8660**	**8040**	**2940 JBK**
Manganese	**20.7**	**437**	**90.2**	**110**
Mercury	**0.24**	**0.19 JBK**	**0.20**	**2.5**
Nickel	1.9 U	**4.6 JBK**	1.9 U	1.9 U
Potassium	**707 JBK**	**2740 JBK**	**2200 JBK**	**2730 JBK**
Sodium	**7640**	**29900**	**19200**	**4920 JBK**
Vanadium	**2.3 JBK (50 U)**	**10.6 JBK**	**5.5 JBK**	**1.7**
Zinc	**3.6 JBL (20 U)**	**122**	**48.6**	**6.9 JBK**
Pesticide/PCBs (µg/L)				
Beta-BHC	0.052 U	**0.079 JNK**	0.056 U	0.048 U
Dioxin/Furans (pg/L)				
1,2,3,4,6,7,8-HpCDD	4.555 U	**4669.071**	**9564.117**	13.651 U
1,2,3,4,6,7,8-HpCDF	2.13 U	**1244.95**	**1177.498**	5.972 U
1,2,3,4,7,8,9-HpCDF	3.198 U	**63.413**	67.266 U	10.959 U
1,2,3,4,7,8-HxCDD	2.32 U	**56.776**	**98.326**	6.504 U
1,2,3,4,7,8-HxCDF	1.661 U	**73.922**	**116.642**	4.283 U
1,2,3,6,7,8-HxCDD	2.172 U	**214.635**	**441.417**	5.76 U
1,2,3,6,7,8-HxCDF	1.55 U	361.92 U	317.89 U	3.663 U
1,2,3,7,8,9-HxCDD	2.125 U	**148.547**	**236.815**	5.768 U
1,2,3,7,8,9-HxCDF	2.226 U	**3.69**	**5.557**	6.8 U
1,2,3,7,8-PeCDD	1.771 U	**21.098**	**32.921**	6.793 U
1,2,3,7,8-PeCDF	1.379 U	2.326 U	**12.479**	5.029 U
2,3,4,6,7,8-HxCDF	1.663 U	26.368 U	49.462 U	4.172 U
2,3,4,7,8-PeCDF	1.158 U	2.269 U	**17.287**	4.93 U
2,3,7,8-TCDD	1.509 U	1.776 U	1.245 U	4.882 U
2,3,7,8-TCDF	1.524 U	3.144 U	1.478 U	6.104 U
OCDD	15.209 U	**34130.07**	**60932**	**84.773**
OCDF	6.305 U	**5954.437**	**4706.62**	17.871 U
TEQ	0	**162**	**299**	**0.08477**

Key is at the end of the table.

Note: Only results for compounds detected in at least on sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates result is significant as defined in Section 5.

Key:

B	= Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
H	= High bias.
ID	= Identification.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
L	= Low bias.
MD	= Main ditch.
mg/L	= Milligrams per liter.
N	= Tentatively identified compound.
pg/L	= Picograms per liter.
Q	= Analyte was dectected below the adjusted Contract Required Quantitation Limit.
RC	= Rock Creek.
SW	= Surface water sample.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.

7. MIGRATION/EXPOSURE PATHWAYS AND TARGETS

The following sections describe migration/exposure pathways and potential targets within the site's range of influence. Analytical data QA forms from laboratory analyses are provided in Appendix E. This section discusses the groundwater migration pathway (Section 7.1), the surface water migration pathway (Section 7.2), the soil exposure pathway (Section 7.3), and the air migration pathway (Section 7.4).

7.1 GROUNDWATER MIGRATION PATHWAY

This section describes the site's geology, hydrogeology, groundwater targets, sample locations, and analytical results.

7.1.1 Geology

The TLT site is underlain by surficial alluvial deposits derived from the South Yamhill River. These deposits consist of poorly sorted, unconsolidated deposits of clay, silt, sand, and very fine to very coarse gravel. The thicknesses of these deposits are as great as 50 feet. Bedrock underlying the alluvium is reported to be sedimentary rock of the Tertiary Nestucca Formation. These rocks consist of light brown to light gray, tuffaceous siltstone and shale, with minor sandstone at the base. This formation reportedly is at least 2,000 feet thick (SE/E 1988).

Based on the geologic logging of on-site soil borings drilled by E & E during the LSI, MFA during the RCRA FI, and START during the IA, the site appears to be immediately underlain by up to 2 feet of artificial fill consisting mainly of coarse, poorly sorted gravel, underlain by 4 to 9 feet of blue-gray, silty-clay alluvium, underlain by 6 to 10 feet of silty-sandy-gravel alluvium. The alluvium is underlain by bedrock composed of fine-grained, moderately hard, gray siltstone (E & E 1988b; MFA 1997).

7.1.2 Hydrogeology

Two interconnected aquifers are located beneath the site: a gravel alluvial aquifer underlain by a siltstone aquifer. Groundwater in the alluvium generally flows south toward the South Yamhill River, with depth to the water table at approximately 10 to 15 feet bgs. Groundwater flow in the siltstone aquifer generally is toward the southeast; the water table is encountered at approximately 18 to 20 feet bgs. Hydraulic conductivity of the alluvium aquifer is estimated at 0.66 feet per day, while that of the

siltstone aquifer is approximately 0.02 feet/day (SE/E 1988). The South Yamhill River may act as a hydraulic boundary for the alluvial aquifer (SE/E 1988; Peet 1988).

7.1.3 Groundwater Target

Groundwater within a 4-mile radius of the site is used for domestic drinking and irrigation purposes. The population residing within a 4-mile radius of the site obtains drinking water either from private wells, the City of Sheridan public water system, or the City of Willamina public water system. The City of Sheridan public water system blends surface water with spring water drawn from a spring-water collection basin located approximately 9 miles northwest of the site in Stone Mountain (Prevo 1999). The City of Willamina public water system draws solely from surface water (Vanecek 1999). Well logs maintained by the Oregon Department of Water Resources (ODWR) indicate that a total of 340 domestic wells are located within a 4-mile radius of the site (GRID 1998), serving a population of 952 people based on the average number of persons per household for Yamhill County (Figure 7-1; OSU 1999a).

The nearest well, serving 3 people, is located approximately 150 feet southwest of the site (GRID 1998; E & E 1999a). The groundwater drinking water population within a 4-mile radius of the site is summarized in Table 7-1.

7.1.4 Sample Locations

A total of 24 groundwater samples were collected from existing downgradient monitoring wells, piezometers, and one residential drinking water well. Fifteen samples (MW-1S-GW, MW-2S-GW, MW-4S-GW, MW-6S-GW, MW-9S-GW, MW-10S-GW, MW-11S-GW, N1S-GW to N3S-GW, N1D-GW to N3D-GW, N1D-PR, and N2D-PR) were collected from 13 monitoring wells screened in the shallow alluvial aquifer, and four samples (PZ-101-GW, PZ-102-GW, PZ-105-GW, and PZ-116-GW) were collected from four piezometers also screened in the shallow alluvial aquifer (Table 3-1; Figure 3-3). Two of these wells (N1D and N2D), located adjacent to the retorts in the treatment plant facility, contained 2 to 4 inches of dNAPL. In these wells, samples of the aqueous (N1D-GW and N2D-GW) and dNAPL (N1D-PR and N2D-PR) phases were collected separately. A total of four groundwater samples (MW-2D-GW, MW-4D-GW, MW-6D-GW, and MW-8D-GW) were collected from on-site downgradient monitoring wells completed in the siltstone aquifer (Table 3-1; Figure 3-3). One residential drinking water sample (RW-01-GW) was collected from the nearest residential well, located approximately 150 feet southwest of the white pole storage area. The depth of this well and, hence, the aquifer from which it draws water is unknown.

7.1.5 Sample Results

Sample results are summarized in Tables 7-2 through 7-4. Nineteen SVOCs were detected at elevated concentrations in eight groundwater samples collected from the shallow alluvial aquifer, ranging from 12 µg/L (naphthalene) to 99,000,000 µg/kg (also naphthalene). Eleven metals were detected at elevated concentrations in 12 shallow alluvial aquifer groundwater samples, ranging from 1.9 µg/L (lead) to 91,000 µg/L (chromium). Five VOCs were detected at elevated concentrations in sample N2D-GW, ranging from 100 µg/L (styrene) to 420 µg/L (total xylene and 1-2,dichloroethene). One pesticide/PCB, gamma-BHC (0.1 µg/L), was detected in one alluvial aquifer sample PZ-105-GW. Eight dioxins were detected at elevated concentrations in eight groundwater samples collected from the shallow alluvial aquifer, ranging from 8.171 pg/L (1,2,3,6,7,8-HxCDD) to 105,318.1 pg/L (OCDD). Significant TEQs ranged from 0.0479 pg/L to 295 pg/L in shallow alluvial aquifer groundwater samples.

Three metals were detected at elevated concentrations in three siltstone aquifer groundwater samples ranging from 4.3 µg/L (lead) to 1600 µg/L (AC; barium). Fourteen dioxins were detected at elevated concentrations in four groundwater samples collected from the siltstone aquifer ranging from 16.197 pg/L (1,2,3,4,6,7,8 HpCDD) to 935.315 pg/L (OCDD). Significant TEQs ranged from 0.325 pg/L to 381 pg/L in siltstone aquifer groundwater samples. No SVOC, VOCs, or pesticides/PCBs were detected at elevated concentrations in these samples.

No metals, SVOC, VOCs, metals, or pesticides/PCBs were detected at elevated concentrations in residential well groundwater sample RW-01-GW. While no elevated concentrations of individual dioxin/furan congeners were observed in sample RW-01-GW, the TEQ was 0.151 pg/L and was elevated compared to the background TEQ of 0 pg/L.

7.2 SURFACE WATER MIGRATION PATHWAY

This section presents the pathway description, targets, sample locations, and sample results for the surface water migration pathway.

7.2.1 Pathway Description

Surface water runoff from the site is collected through a series catch basins and open ditches across the site. In the west facility this water is channeled to four NPDES-permitted outfalls (Nos. 001, 002, 003, and 005). Outfalls Nos. 001, 002, and 003 discharge to the Rock Creek Road ditch located on the east side of the treatment plant and treated pole storage area (Figure 3-4). Outfall No. 001 discharges stormwater from the treatment plant that has been collected by four retention ponds and piped through oil/water separators. Outfalls Nos. 002 and 003 discharge stormwater that has collected in ditches in the treated pole storage area and the northern portion of the treatment plant. Outfall No. 005 discharges stormwater from the white pole storage to a ditch along Highway 18B at a location that is south of the

white pole storage area (Figure 3-4). The Rock Creek Road ditch and the Highway 18B ditch converge prior to entering the South Yamhill River at approximately river mile (RM) 40 (Figures 3-4 and 3-5).

Some surface water from the northwestern portion of white pole storage area flows by sheet action north to a ditch (south railroad ditch) along the south side of the Willamette Pacific Railroad tracks. Stormwater runoff from the northern portion of the boiler ash and UST bioremediated soil waste pile also flows into this ditch. This ditch flows west and discharges to Rock Creek which then flows south along the west and south boundaries of the site into the South Yamhill River at approximately RM 40. This point is approximately 500 feet upstream of the Rock Creek Road ditch confluence with the South Yamhill River (Figures 3-4 and 3-5).

Some surface water from the northeastern portion of the white pole storage area and the northern portion of the treated pole storage area also flows by sheet action north to the south railroad ditch. In this area, this ditch flows east and discharges into the Rock Creek Road ditch. A ditch, located on the north side of the Willamette Pacific Railroad tracks (north railroad ditch), drains the agricultural fields and the truck maintenance shop facility north of the white pole and treated pole storage areas (Figure 3-4). This ditch also discharges to the Rock Creek Road ditch. The Rock Creek Road ditch then flows south into the South Yamhill River at RM 40 (Figures 3-4 and 3-5).

Stormwater from the southern portion of the end-painting facility flows south to a ditch along the east side of Rock Creek Road and east in on-site ditches to an EPA-recognized wetland located southeast of Moe's Mountain waste pile (Figure 2-2). Stormwater from Moe's Mountain waste pile also flows into the wetland, as well as to a ditch east of the waste pile along Chip Mill Road (east ditch). Surface water from the wetland also flows eastward to the east ditch. The east ditch flows south approximately 0.4 mile where it becomes subterranean before converging with the South Yamhill River at approximately RM 40.5 (Figures 3-4 and 3-5).

In the east facility, surface water runoff from the sawmill facility, the northern portion of the end-painting facility, and the Sheridan Forest Products facility flows eastward through numerous ditches to the southeastward-flowing Sheridan Forest Products ditch. This ditch flows approximately 600 feet to its confluence with the South Yamhill River at approximately RM 41 (Figures 3-4 and 3-5).

Since the on-site ditches have water flow only during rainy seasons, the probable point of entry (PPE) of contaminants into the surface water migration pathway consists of the points where the ditches enter perennially flowing water such as Rock Creek or the South Yamhill River. The most upstream PPE 1 for the site is located on Rock Creek at the point that the ditch along the south side of the railroad tracks enters the creek, approximately 0.3 mile upstream of the creek's confluence with the South Yamhill River. The most downstream PPE 3 for the site is located in the South Yamhill River at the confluence of Sheridan Forest Products ditch which is approximately one mile downstream of the confluence of Rock Creek and the South Yamhill River (Figure 3-5).

From the site, the South Yamhill River generally flows east-northeast approximately 40 miles to its confluence with the North Yamhill River, northeast of McMinnville, Oregon. At that point, the Yamhill River flows approximately 11.5 miles to its confluence with the Willamette River, near Dayton, Oregon. The 15-mile target distance limit (TDL) begins at the most upstream PPE in Rock Creek (PPE 1) and extends to the most downstream PPE in the South Yamhill River (PPE 3), and further extends 15 river miles downstream in the South Yamhill River to RM 56 (Figure 7-2; USGS 1970). The South Yamhill River's average annual flow rate is approximately 2,000 cubic feet per second, measured at USGS gaging station number 14194000, approximately 23 miles downstream of the site (USGS 1999). The average annual flow rate of Rock Creek is unknown. The site lies within the 500-year flood plain of the South Yamhill River (E & E 1990). The average annual precipitation and the two-year, 24-hour rainfall event for the site area are 52.55 inches (WRCC 1999) and 3.5 inches (NOAA 1973), respectively.

The upgradient drainage area of the site was estimated from a topographic map to be 19 acres (USGS 1970). Soils under most of the site are classified as Cove silty clay loam, fan (SCS 1974). This soil is on alluvial fans of 2 to 7 percent slope (SCS 1974). The soil consists of poorly drained soils with a surface layer of very dark gray silty clay loam about 8 inches thick (SCS 1974). The subsoil is mottled, very dark gray, very firm clay about 33 inches thick (SCS 1974). The subsoil is underlain by mottled, dark grayish-brown clay that extends to a depth of more than 60 inches (SCS 1974). Available water capacity is low (SCS 1974). START observed native surficial soil at the site which was gray-brown clay mixed with loam and topsoil. Surface soils observed by the START in the east and west facilities were mostly poorly-sorted gravel fill.

7.2.2 Targets

The South Yamhill River is used as a source of drinking water, commercial food crop irrigation, and recreational boating and fishing. The City of Sheridan operates a municipal drinking water intake approximately 1.5 miles downstream of PPE 3 in the South Yamhill River (Figure 3-5). Water from the Stone Mountain spring accounts for 60 percent of the total; the remainder comes from surface water from the South Yamhill River. The system serves a total of 5,330 people. This includes approximately 3,166 local residents and 400 prison workers and 1,764 inmates at a federal prison near the city. Considering the surface water contributes 40 percent to the total supply, the apportioned population served by surface water is calculated to be 2,132 people (5,330 x 40 percent = 2,132). Twenty-seven irrigation intakes also have been identified within the 15-mile TDL (Figure 7-2; E & E 1990).

No commercial fishing activities are conducted on the South Yamhill River (Hensley 1999). Although recreational fishing is common, harvest records are not kept. It is estimated that the average weight of fish caught for recreational purposes is approximately 3 pounds and that at least 500 pounds are caught within the 15-mile TDL each year. During the field event, START personnel observed

recreation angler fishing in the South Yamhill River at the confluence of the South Yamhill River and Rock Creek (approximately RM 40).

The South Yamhill River within the 15-mile TDL is a critical habitat and critical migratory corridor for federal-listed threatened wild winter steelhead and Oregon state-listed endangered coho salmon (Bennett 1999). Coho salmon were proposed for federal-listed threatened species status (Bennett 1999). Wild cutthroat trout, which once were proposed for federal-listed threatened species status, also are present within the 15-mile TDL; however, this species was removed from listing consideration in April 1999 (Jonbowers 1999).

It is estimated from National Wetlands Inventory maps that 25 miles of wetland frontage that meet the 40 CFR criteria exist within 15 miles downstream of the site (Table 7-5, USFWS 1994). During the field event in April 1999, the marshy area southwest of Moe's Mountain waste pile was evaluated as a palustrine persistant emergent wetland (Figure 2-2; Cowardin 1979) by START personnel and met the 40 CFR criteria of the definition of a wetland. The area, approximately 100 feet in diameter (0.18 acres) with a circumference of approximately 300 feet, was observed to contain lower lying areas of cattails separated by slightly higher areas of mixed grasses and rushes. Hydric, channelized soils were observed throughout the area. Although no water was present during the evaluation, evidence of high seasonal levels were present in the form of old, dead growth bending in the direction of flow toward the east. Although the higher areas were still most likely wetlands, it appeared that they are evolving to upland areas as sediments fill in and grasses take over. Surface water from the wetland flows into the ditch east of Moe's Mountain waste pile (east ditch), which then flows south toward the South Yamhill River. The east ditch does not converge with the South Yamhill River, but flows underground into a natural sandy levee approximately 200 feet upgradient of the river (Figure 3-5).

7.2.3 On-Site Stormwater Ditches and Wetlands

7.2.3.1 Sediment Sample Locations

A total of 42 sediment samples, excluding background samples, were collected from the stormwater ditches on and near the site. Twenty-four of these samples were collected from stormwater ditches in the west facility. These samples were collected from the following locations: the ditch north of the truck shop facility (north ditch; ND-01-SD, ND-03-SD); the ditch north of the Willamette Pacific Railroad (north railroad ditch; NRD-01-SD to NRD-04-SD); the ditch south of the Willamette Pacific Railroad (south railroad ditch; SRD-01-SD through SRD-07-SD); the ditch on the western portion of the white pole storage area (west ditch; WD-01-SD and WD-02-SD); the ditch in the eastern portion of the white pole storage area (center ditch; CD-01-SD and CD-02-SD); the ditch in the western portion of the treated pole storage area (main ditch; MD-04-SD and MD-05-SD); a ponded area next to the drip pads in the treatment plant facility (PAD-01-SD); and the Valley Highway ditch, adjacent to Highway 18B, on

the southern boundary of the white pole storage area and treatment plant facility (VHD-01-SD to VHD-04-SD; Figure 3-4).

The remaining 18 on-site ditch sediment samples were collected from ditches in the east facility. These samples were collected from the following locations: the ditch between the sawmill and end-painting facility (maintenance shop ditch/sawmill ditch; MSD-01-SD, MSD-02-SD, and SM-01-SD to SM-04-SD); the ditch south of the boiler (power plant ditch; PPD-01-SD); the ditch south and west of the end-painting building (end-painting ditch; EPD-01-SD to EPD-04-SD); the ditch east of Moe's Mountain waste pile (east ditch; ED-01-SD to ED-04-SD); and the ditch east of Sheridan Forest Products (Sheridan Forest Products ditch; SD-01-SD to SD-03-SD; Figure 3-4). Sample SD-01-SD was collected in the Sheridan Forest Products ditch immediately above its confluence with the South Yamhill River (PPE 3; Figure 3-4).

One sediment sample, WL-01-SD, was collected from the EPA-recognized wetland located southwest of Moe's Mountain waste pile.

7.2.3.2 Sediment Sample Results

Sample results are summarized in Tables 7-6 through 7-8 and Table F-8. Eighteen SVOCs were detected at elevated concentrations in 21 ditch sediment samples, ranging from 100 µg/kg (anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, fluoranthene, fluorene, indeno[1,2,3-cd]pyrene, naphthalene, phenanthrene, and pyrene) to 27,000 µg/kg (fluoranthene). Nine metals were detected at elevated concentrations in 31 of the 43 ditch sediment samples ranging from 0.19 mg/kg (mercury) to 1,860 mg/kg (zinc). Two VOCs, acetone and toluene, were detected at elevated concentrations in three sediment samples: acetone (180 µg/kg) in EPD-02-SD; and toluene in SD-02-SD (32 µg/kg) and SD-03-SD (50 µg/kg). Both acetone and toluene are common laboratory contaminants; therefore, these results should be viewed with caution. No pesticides/PCBs were detected at elevated concentrations in ditch or wetland sediment samples. Sixteen dioxins were detected at elevated concentrations in six ditch sediment samples ranging from 0.888 ng/kg (2,3,7,8-TCDD) to 361,665 ng/kg (OCDD). Elevated TEQs ranged from 0.802 ng/kg to 986 ng/kg in stormwater ditch sediments.

No SVOCs, VOCs, or pesticides/PCBs were detected in the wetland sediment sample WL-SD-01. Arsenic (26.7 mg/kg), mercury (0.19 mg/kg), and selenium (3.4 mg/kg) were detected at elevated concentrations. Four dioxins were detected in WL-01-SD at elevated concentrations ranging from 0.5075 ng/kg (AC; 1,2,3,6,7,8-HxCDD) to 1455.155 ng/kg (OCDD). The TEQ for this sample was 3.52 ng/kg.

In general, sediments collected from ditches in the west facility contained a greater number of contaminants at higher elevated concentrations than those in east facility sediments. Notable constituents

in west facility sediments were SVOCs (including PCP and benzo[a]pyrene), metals (including arsenic and mercury), and dioxins. Mercury was detected at elevated concentrations only in sediments collected from ditches in the west ditch (white pole storage area), north railroad ditch, and south railroad ditch (Figure 3-4).

Notable constituents in east facility sediments were SVOCs (including benzo[a]pyrene, but no PCP), metals (including arsenic and mercury), and dioxins. Mercury and dioxins were detected in sediments collected from the end-painting ditch and in downstream sediments in the EPA-recognized wetland adjacent to Moe's Mountain waste pile. Sample SD-01-SD, collected from the Sheridan Forest Products ditch immediately upstream of the confluence with the South Yamhill River (PPE 3), contained five dioxins at elevated concentrations ranging from 2.567 ng/kg (1,2,3,6,7,8-HxCDD) to 195.1 ng/kg (OCDD). The TEQ for this sample was 0.891 ng/kg. No other compounds were detected at elevated concentrations in this sample.

To characterize potential contamination attributable to the Willamette Pacific Railroad, sediments collected from ditches next to the railroad tracks were examined. Concentrations of contaminants in sediments collected from the south railroad ditch, adjacent to contaminated source soils in the treated pole storage area, were compared to ditch sediments collected from two ditches (the north railroad ditch and the sawmill maintenance ditch), relatively unimpacted by on-site sources. Elevated concentrations of SVOCs (including PCP), mercury, arsenic, selenium, and copper were detected in sediments in the south railroad ditch. These constituents were only detected randomly and at lower concentrations in the north railroad ditch and sawmill maintenance ditch, as follows: no SVOCs were detected at elevated concentrations in the North Railroad Ditch, but sediments here did contained elevated concentrations of arsenic, mercury, and selenium; copper and one SVOC was detected in the Sawmill Maintenance Facility ditch sediments. Contaminants associated with railroad operations would be expected to be present in adjacent ditch sediments at consistently similar concentrations. For these reasons, it is unlikely that activities associated with the railroad contribute significantly to stormwater ditch sediment contamination or to contaminant concentrations found in on-site soils. Metals detected at elevated concentrations in the North Railroad Ditch sediments may be attributable to the source soils through runoff, aerial deposition, or unknown site practices.

7.2.3.3 Surface Water Sample Locations

Two surface water samples (SD-01-SW and SD-03-SW) were collected from the Sheridan Forest Products ditch and were co-located with their corresponding sediment samples (Figure 3-4). Sample SD-01-SW was collected from the ditch immediately above its confluence with the South Yamhill River (PPE 3). Sample SD-03-SW was collected from this ditch upgradient of the confluence with the Sawmill

facility ditch and east of the Sheridan Forest Products facility. No other surface water samples were collected in stormwater ditches or from the wetland due to the lack of water.

7.2.3.4 Surface Water Sample Results

Sample results are summarized in Table 7-9. No SVOCs, VOC, or pesticides/PCBs were detected at elevated levels in the stormwater ditch surface water samples. Lead (3.7 µg/L), manganese (329 µg/L), and mercury (5.6 µg/L) were detected at elevated concentrations in sample SD-01-SW, collected from the ditch immediately above its confluence with the South Yamhill River (PPE 3). Arsenic (10.6 µg/L), lead (4.0 µg/L), and manganese (3810 µg/L) were detected at elevated concentrations in sample SD-03-SW. One dioxin, OCDD, was detected in sample SD-03-SW at an elevated concentration (15.757 pg/L). The elevated TEQ for this sample was 0.01576 pg/L.

7.2.4 Rock Creek Road Ditch

7.2.4.1 Sediment Sample Locations

A total of 11 downgradient sediment samples were collected from Rock Creek Road ditch (RCD-01-SD to RCD-11-SD). Sample RCD-01-SD was collected approximately 20 feet upstream of the ditch's confluence with the South Yamhill River. Sample RCD-02-SD was collected immediately upstream of Highway 18B. Sample RCD-03-SD was collected at the confluence of the Rock Creek Road ditch and Valley Highway ditch, and RCD-04-SD was collected approximately 10 feet north at the treatment plant facility NPDES outfall No. 001 (Figure 3-4). Samples RCD-05-SD to RCD-08-SD were collected at various ditch inputs to the Rock Creek Road ditch or from stained areas in the Rock Creek Road ditch east of the treatment plant (RCD-06-SD at NPDES outfall No. 0002/0003). Sample RCD-09-SD was collected at the confluence of the south railroad ditch and the Rock Creek Road ditch, and sample RCD-10-SD was collected at the truck maintenance shop discharge pipe at the confluence of the north railroad ditch and the Rock Creek Road ditch. Sample RCD-11-SD was collected approximately 50 feet upstream of the truck maintenance shop, but downstream of the main office (Figure 3-4).

7.2.4.2 Sediment Sample Results

Sample results are summarized in Tables 7-10 to 7-12. Sixteen SVOCs were detected in nine of the 11 sediment samples collected from the Rock Creek Road ditch at elevated concentrations, ranging from 100 µg/kg (anthracene, benzo[a]pyrene, and phenanthrene) to 22,000 µg/kg (fluoranthene). Arsenic was detected in seven sediment samples at elevated concentrations ranging from 34.0 mg/kg (RCD-01-SD) to 445 mg/kg (RCD-03-SD). Copper was detected at elevated concentrations in five sediment samples ranging from 211 mg/kg (RCD-03-SD) to 1,700 mg/kg (RCD-04-SD). Nickel was

detected in sample RCD-05-SD at an elevated concentration (152 mg/kg). No VOCs or pesticides/PCBs were detected at elevated concentrations in the Rock Creek Road ditch sediment samples. Fifteen dioxins were detected in two sediment samples (RCD-01-SD and RCD-02-SD) at elevated concentrations, ranging from 0.683 ng/kg (1,2,3,7,8-PeCDF) to 1,186,190 ng/kg (OCDD). TEQs for these samples were 3,080 ng/kg (RCD-01-SD) and 7.25 ng/kg (RCD-02-SD). No other sediment samples collected from the Rock Creek Road ditch were analyzed for dioxins.

In summary, elevated contaminant concentrations were most prevalent in sediments downstream of the confluence of the south railroad ditch. Notable constituents in Rock Creek Road ditch sediments were SVOCs (including PCP and benzo[a]pyrene), arsenic, and dioxins.

7.2.4.3 Surface Water Sample Locations

Two surface water samples, RCD-01-SW and RCD-02-SW, were collected from the Rock Creek Road ditch. Surface water samples were co-located with their corresponding sediment samples.

7.2.4.4 Surface Water Results

Sample results are summarized in Table 7-13. Bis(2-ethylhexyl)phthalate was detected at an elevated concentration, 370 µg/L, in sample RCD-01-SW. Four metals were detected in the samples at elevated concentrations, ranging from 3.7 µg/L (lead) to 189 µg/L (manganese). Mercury was also detected in these samples, but at concentrations that were not elevated. No VOCs or pesticides/PCBs were detected at elevated concentrations in surface water samples. Seven dioxins were detected in surface water samples ranging from 9.681 pg/L (1,2,3,4,7,8-HxCDD) to 9,364.813 pg/L (OCDD). TEQs for these samples were 30.89 pg/L (RCD-01-SW) and 12.3 pg/L (RCD-02-SW).

7.2.5 South Yamhill River and Rock Creek

7.2.5.1 Sediment Sample Locations

A total of 13 sediment samples were collected from the South Yamhill River (YR-01-SD to YR-04-SD, YR-07-SD to YR-10-SD, and YR-12-SD to YR-16-SD); one sediment (YR-06-SD) was collected from an unnamed creek/stormwater ditch that flows into the South Yamhill River approximately 0.5 mile downstream of PPE 3; and two sediment samples were collected from Rock Creek (RC-01-SD and RC-02-SD). These sample locations are illustrated in Figure 3-5.

Sample YR-SD-01 was collected approximately 50 feet downstream of the Sheridan municipal drinking water intake, and YR-SD-02 was collected at the intake at approximately RM 42.5 (Figure 3-5). Sample YR-03-SD was collected approximately 50 feet downstream of the confluence with an unnamed creek/stormwater ditch located approximately 0.5 mile downstream of PPE 3, and sample YR-04-SD was collected at the confluence at approximately RM 41.5 (Figure 3-5). Sample YR-06-SD was collected in

the unnamed stream/stormwater ditch at approximately 20 feet upstream of its confluence with the South Yamhill River. Samples YR-07-SD and YR-08-SD were collected 70 feet and 10 feet, respectively, downstream of the railroad trestle that crosses the South Yamhill River at approximately RM 41.4 (Figure 3-5). Sample YR-07-SD was collected from the southern bank of the river, and YR-08-SD was collected from the northern bank. Sample YR-09-SD was collected approximately 50 feet downstream of the confluence with the Sheridan Forest Products ditch, and sample YR-10-SD was collected at the confluence at approximately RM 41. This location is also PPE 3. Sample YR-12-SD was collected approximately 60 feet downstream of the potential influence of the east ditch at approximately RM 40.5 (Figure 3-5). Sample YR-13-SD was collected approximately 50 yards downstream of the confluence with the Rock Creek Road ditch, and YR-14-SD was collected at the confluence at approximately RM 40. This location is also the location of PPE 2 (Figure 3-5). Sample YR-15-SD was located approximately 50 yards downstream of the confluence with Rock Creek, and YR-16-SD was collected at the confluence at approximately RM 40. RC-01-SD was collected in Rock Creek approximately 100 feet upstream of its confluence with the South Yamhill River. Sample RC-02-SD was collected northwest of the site approximately 100 feet downstream of the confluence of the south railroad ditch at PPE 1, approximately 0.3 mile upstream of the confluence with the South Yamhill River (Figure 3-5).

7.2.5.2 Sediment Sample Results

Sample results are summarized in Tables 7-14 to 7-16. Eight SVOCs were detected at elevated concentrations ranging from 100 µg/kg (benzo[a]pyrene, chrysene, fluorene, and phenanthrene) to 200 µg/kg (acenaphthene, benzo[b]fluoranthene, fluoranthene, and pyrene) in one sediment sample (YR-14-SD) collected from the South Yamhill River at its confluence with the Rock Creek Road ditch (RM 40; PPE 2). Antimony (25.3 mg/kg) was detected at an elevated concentration in sample YR-07-SD, but this analyte was not detected at significant concentrations in any on-site sources. Arsenic was detected in samples YR-14-SD (60.0 mg/kg), located at PPE 2, and RC-02-SD (108 mg/kg), located at PPE 1. Mercury was detected in sediment sample YR-01-SD, located approximately 50 feet downstream of the Sheridan municipal drinking water intake, at an elevated concentration of 0.32 mg/kg. Sample YR-14-SD (PPE 2) also contained an elevated concentration of 2,3,7,8-TCDF at 0.943 ng/kg. The TEQ for this sample was 18.2 ng/kg, but was not elevated. No VOCs or pesticides/PCBs were detected at elevated concentrations in the South Yamhill River and Rock Creek sediment samples.

No elevated concentrations of compounds were detected in sample YR-06-SD collected in the unnamed stream/stormwater creek that flows into the South Yamhill River.

7.2.5.3 Surface Water Sample Locations

Eight surface water samples were collected from the South Yamhill River (YR-02-SW, YR-04-SW, YR-07-SW, YR-08-SW, YR-10-SW, YR-12-SW, YR-14-SW, and YR-16-SW), and one surface water sample was collected from Rock Creek (RC-01-SW). Surface water samples were co-located with their corresponding sediment samples.

7.2.5.4 Surface Water Sample Results

Sample results are summarized in Table 7-17. No SVOCs, VOCs, or pesticides/PCBs were detected at elevated concentrations in surface water samples. Metals were detected at elevated concentrations in four surface water samples. Mercury was detected at elevated concentrations in surface water samples YR-14-SW (8.7 µg/L), located at the confluence with the Rock Creek Road ditch (PPE 2, RM 40); YR-07-SW (9.2 µg/L), located at the railroad trestle (RM 41.4); and YR-02-SW (2.7 µg/L), located at the City of Sheridan drinking water intake (RM 42.5). Mercury detected in sample YR-02-SW, collected at the intake, exceeded the SDWA MCL of 2 µg/L. Manganese (23.0 µg/L) and lead (17.8 µg/L) were detected at elevated concentrations in sample YR-16-SD, located at the confluence of Rock Creek. Dioxins were detected at elevated concentrations in three surface water samples as follows: sample YR-14-SW (PPE 2, RM 40) contained OCDD at 24.66 pg/L and had a TEQ of 0.02466 pg/L; sample YR-12-SW (RM 40.5) contained OCDD at 15.757 pg/L and had a TEQ of 0.01576 pg/L; and sample YR-08-SW (RM 41.4) contained 1,2,3,4,6,7,8-HpCDD at 10.993 pg/L and had a TEQ of 0.11 pg/L.

7.3 SOIL EXPOSURE PATHWAY

This section presents the pathway description, targets, sample locations, and sample results for the soil exposure pathway.

7.3.1 Pathway Description

Public access to the site is limited by TLT's 24-hour-per-day, seven-days-per-week operation schedule and by the presence of a security guard during times of minimal staffing. The site is fenced and gated, but the fencing does not completely enclose the facility.

7.3.2 Targets

Ninety-eight people work at the site. The population within a 1-mile radius of the site is estimated to be 358.4, based on multiplying the house count from a topographic map by the average number of persons per household (2.8) for Yamhill County (Table 7-18; USGS 1970; OSU 1999a). The nearest single-family residence, located approximately 50 feet from the east boundary of the site, houses

three people (Figure 3-6; USGS 1970). No terrestrial-sensitive environments or resources are known to be present on site. Contaminants from on-site surface soils may have migrated through the air to nearby residential surface soil by wind entrainment and re-deposition.

7.3.3 Sample Locations

A total of 105 surface soil samples were collected from 10 potential source areas of contamination at the TLT site. On-site surface soil samples locations are previously discussed in Section 6.

A total of 14 surface soil samples (Table 3-1) also were collected from 13 residential yards within a 4-mile radius of the site. In general, samples were collected from roof drip lines or below gutter down spouts in exposed soil areas.

Sample results are presented in Tables 7-19 through 7-22. Samples SO-01-SS through SO-05-SS and SO-14-SS were collected from residences within 0.25 mile of site sources. Samples SO-02-SS and SO-03-SS were collected from residences directly east of the site across Rock Creek Road. The residence from which sample SO-03-SS was collected is also a junk salvage business. Sample SO-11-SS was collected between 0.25 and 0.5 mile of site sources. Samples SO-06-SS through SO-08-SS and SO-10-SS were collected between 0.5 and 1 mile of site sources. Samples SO-08-SS and SO-09-SS were collected from a residence (between 0.5 and 1 mile from site sources) that is located next to railroad tracks. Sample S0-08-SS was collected from the roof drip line, and SS-09-SS was collected from a ditch that separates the residential yard and the tracks. Sample SO-13-SS was collected between 2 and 3 miles of site sources, and sample SO-12-SS was collected between 3 and 4 miles of the site.

7.3.4 Sample Results

Surface soil samples collected from on-site locations contained significant concentrations of SVOCs, metals, VOC, pesticides/PCBs, and dioxins. Sample results for on-site surface soils were previously discussed in greater detail in Section 6.

Sample results for the residential surface soil samples are summarized in Tables 7-23 to Table 7-26. Eightteen SVOCs were detected at elevated concentrations in six residential surface soil samples ranging from 100 µg/kg (benzo[k]fluoranthene) to 18,000 µg/kg (phenanthrene). Sample SO-09-SS was collected in a ditch adjacent to the Willamette Pacific railroad tracks and contained elevated concentrations of eight SVOCs ranging from 100 µg/kg (benzo(k)fluoranthene) to 300 µg/kg (fluoranthene and pyrene). As previously discussed in section 7.2.3, the only elevated SVOC observed in railroad ditch sediments unimpacted by site sources was phenanthrene, which was not detected in sample SO-09-SS. Therefore, elevated concentrations of SVOCs in this residential sample are probably not attributable to the tracks.

Five metals were detected at elevated concentrations in 11 surface soil samples ranging from 0.08 mg/kg (mercury) to 2,940 mg/kg (zinc). Lead and zinc were detected at concentrations that were much higher than those found in on-site samples. It is suspected that the presence of these analytes at elevated concentrations in residential soils may be from the use of exterior house paints containing these metals or from the use of zinc treatment on roofs for moss control..

No VOCs were detected at elevated concentrations in surface soil samples. Ten pesticides/PCBs were detected at elevated concentrations in 11 surface soil samples ranging from 3.7 µg/kg (heptachlor epoxide) to 3,300 µg/kg (Aroclor 1254). One detection of Aroclor 1254 (3,300 µg/kg in sample SO-03-SS) was at a concentration much higher than that found in on-site samples. This sample was collected at a junk salvage business and potentially may be attributable to operations associated with the salvage business and not with sources at TLT. Dieldrin (93 µg/kg), detected at elevated concentrations in sample SO-10-SS, was not detected in on-site source samples and may be attributable to sources not related to TLT. In addition, SO-11-SS contained elevated concentrations of alpha-chlordane (180 µg/kg [AC]), gamma chlordane (1,600 µg/kg), and heptachlor (32 µg/kg) at concentrations higher than or similar to those found in on-site samples. Elevated concentrations of these compounds may be partially attributable to sources not associated with the TLT site. Pesticides 4-4-DDT and 4-4-DDE were found at elevated concentrations in most residential surface soil samples. Concentrations of these compounds did not appear to be correlated with distance from site sources; therefore, concentrations of these compounds may not be attributable to site sources.

Fourteen dioxins were detected at elevated concentrations in 10 residential surface soil samples ranging from 0.613 ng/kg (2,3,7,8-TCDF) to 3,926.717 ng/kg (1,2,3,4,6,7,8-HpCDD). Only one sample, SO-02-SS, had a TEQ at an elevated concentration of 144 ng/kg.

In general, SVOCs, mercury, and dioxins were detected at higher significant concentrations in residential surface soils within 1/4 mile of site sources than other soils located farther away.

7.4 AIR MIGRATION PATHWAY

This section presents the pathway description, targets, sample locations, and sample results for the air migration pathway.

7.4.1 Pathway Description

The prevailing wind direction at the TLT site is westerly to southwesterly and generally follows the Yamhill River Valley with speeds averaging from 5 to 10 mph. The area experiences a diurnal shift in wind direction at night and in the early morning hours with wind speeds averaging from 1 to 2 mph. During the night, the prevailing wind direction is easterly and northeasterly (E & E 1990). The City of Sheridan is located within 1 mile downwind (east) of the site (Figure 3-6; USGS 1970).

7.4.2 Targets

Ninety-eight people work at the site. Approximately 8,031 people live within a 4-mile radius of the site, based on both 1990 census data for Sheridan and Willamina and on multiplying the house count from a topographic map by the average number of persons per household (2.8) for Yamhill County (Table 7-5; Figure 3-6; USGS 1970; OSU 1999a, 1999b, 1999c). .

The site is located adjacent to the South Yamhill River, which is used for recreational boating and fishing. Several state-listed threatened or endangered species exist within 4 miles of the site. These include the Willamette Valley larkspur (*Delphinium oreganum*), within 1 to 2 miles north of site sources, and the Dwarf isopyrum (*Isopyrum stipitatum*), within 2 to 3 miles west of site sources (Campos 1999). In addition, the Coho salmon and Steelhead trout, which are proposed for federal listing as threatened species by the National Marine Fisheries Service, are present in the South Yamhill River (Bennett 1999; EPA 1999).

According to National Wetlands Inventory Maps, approximately 895 acres of EPA-recognized wetlands are located within a 4-mile radius of the site (Table 7-5; USFWS 1994). During the field event in April 1999, the marshy area southwest of Moe's Mountain waste pile was evaluated as a palustrine persistent emergent wetland (Figure 2-2; Cowardin 1979) by START personnel and met the 40 CFR criteria of the definition of a wetland. The area of the wetland is approximately 0.18 acres (100 feet in diameter), with a circumference of approximately 300 feet (Figure 2-2).

7.4.3 Sample Locations

A total of 76 air samples (38 Hi-vol metals samples and 38 PS-1 SVOC samples) were collected from seven station locations (A1 through A7) over seven consecutive 24-hour sampling periods from August 22 through August 28, 1999. One Hi-vol metals sample and one PS-1 SVOC sample was collected from each station location for each 24-hour sampling period. Air station A1 was located within 1/4 mile of the site at a residence directly east of the TLT retorts, on the east side of Rock Creek Road (Figure 3-6). Station A2 was located on-site at the northeast corner of the treated pole storage yard and station A3 was located on-site at the southeast corner of the treatment plant facility (Figure 3-6). Station A4 was placed in an empty field on the east side of Chip Mill Road, approximately 0.3 mile east of the treatment plant facility. Station A5 was located at the residence adjacent and approximately 300 feet west of the white pole storage area (Figure 3-6). Station A6 was located at a residence adjacent to Highway 18B and the Willamette Pacific Railroad approximately 0.8 mile west of the white pole storage area (Figure 3-6). Finally, station A7 was located near the main gate to the Delphian school property, approximately 0.70 mile northwest of the boiler ash and UST bioremediated soil waste pile (Figure 3-6).

Downwind sample locations were determined in the same manner as background locations; they were based on daily site wind direction and speed measurements. A more detailed description of

upwind/downwind designation criteria is presented in Section 5. Downwind stations and corresponding samples were designated as follows:

- On August 22, 1999, downwind stations were A1 through A6 (samples H1082299 through H6082299 and P1082299 through P6082299);
- On August 23, 1999, downwind stations were A1 through A5 (samples H1082399 through H5082399 and P1082399 through P5082399);
- On August 24, 1999, downwind stations were A1 through A5 and A7 (samples H1082499 through H5082499, H7082499, P1082499 through P5082499, and P7082499);
- On August 25, 1999, downwind stations were A1 through A4 (samples H1082599 through H4082599 and P1082599 through P4082599);
- On August 26, 1999, downwind stations were A1 through A5 and A7 (samples H1082699 through H5082699, H7082699, P1082699 through P5082699, and P7082699);
- On August 27, 1999, downwind stations were A1 through A6 (samples H1082799 through H6082799 and P1082799 through P6082799); and
- On August 28, 1999, downwind stations were A1 through A5 (samples H1082899 through H5082899 and P1082899 through P5082899).

Three surface soil samples were collected from each of the three residences from which air samples were also collected. Samples SO-01-SS, SO-02-SS, and SO-10-SS were collected from residences where air stations A5, A1, and A6 were located, respectively (Figure 3-6). Residential surface soil sample locations were discussed previously and in greater detail in Section 7.3, Soil Exposure Pathway.

7.4.4 Sample Results

Sample results are reported in Tables 7-23 through 7-29. On August 22, 1999, arsenic was detected at elevated concentrations in all six downwind samples ranging from 0.0004 µg/cubic meter (m^3; H5082299 and H6082299) to 0.001µg/m^3 (H1082299). Nine SVOCs were detected at elevated concentrations in all six downwind samples, ranging from 0.044 µg/m^3 (pyrene) to 3.9877µg/m^3 (naphthalene).

On August 23, 1999, arsenic was detected at elevated concentrations in samples H1082399 (0.0047 µg/m^3) and H2082399 (0.0036 µg/m^3). Eight SVOCs were detected at elevated concentrations in all five downwind samples, ranging from 0.0045 µg/m^3 (fluoranthene) to 4.5902 µg/m^3 (naphthalene).

On August 24, 1999, arsenic (0.0035 µg/m^3) and lead (0.0079 µg/m^3) were detected at elevated concentrations in sample H1082499. Arsenic (0.0023 µg/m^3) also was detected at elevated concentrations in sample H2082499. Eight SVOCs were detected at elevated concentrations in five of the six downwind samples, ranging from 0.045 µg/m^3 (fluoranthene) to 6.5068 µg/m^3 (naphthalene).

On August 25, 1999, arsenic was detected at elevated concentrations in samples H1082599 (0.0033 µg/m^3), H2082599 (0.206 µg/m^3), and H3082599 (0.0007 µg/m^3). Nine SVOCs were detected at elevated concentrations in all four downwind samples, ranging from 0.0058 µg/m^3 (anthracene) to 7.0288µg/m^3 (naphthalene).

On August 26, 1999, arsenic was detected at elevated concentrations in samples H1082699 (0.0013 µg/m^3), H2082699 (0.0013 µg/m^3), and H4082699 (0.0012 µg/m^3). Nine SVOCs were detected at elevated concentrations in five downwind samples, ranging from 0.0044 µg/m^3 (pyrene) to 13.8614 µg/m^3 (naphthalene).

On August 27, 1999, no TAL metals were detected at elevated concentrations in any downwind samples. Seven SVOCs were detected at elevated concentrations in all six downwind samples, ranging from 0.0069 µg/m^3 (anthracene) to 12.5424 µg/m^3 (naphthalene).

On August 28, 1999, arsenic was detected at elevated concentrations in samples H1082899 (0.002 µg/m^3) and H2082899 (0.0052 µg/m^3). Eight SVOCs were detected at elevated concentrations in four downwind samples, ranging from 0.0053 µg/m^3 (pyrene) to 4.902µg/m^3 (naphthalene).

On August 25 and 26, 1999, samples collected from station A4, located 0.25 to 0.5 mile east of the site, were observed to contain concentrations of arsenic and SVOCs that were approximately 10 times greater than background concentrations. On August 25, 1999, samples collected from stations A1 and A2, located within 0.25 mile east of the site, were also observed to contain concentrations of arsenic and SVOCs that were approximately 100 times greater than background concentrations.

Elevated concentrations of SVOCs, metals, pesticides/PCBs, and dioxins were detected in residential surface soil samples within 4 miles of the site. A detailed discussion of sample results is presented in Section 7.3, Soil Exposure Pathway. Elevated concentrations of arsenic, lead, cPAHs, and PCP were not detected in any of the co-located residential surface soil samples (SO-01-SS, SO-02-SS, and SO-10-SS).

Table 7-1

GROUNDWATER DRINKING INTAKE
POPULATION WITHIN A 4-MILE RADIUS
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Distance Ring (Miles)	Well Identification	Number of Wells	Well Population[a]
0 - 1/4	Domestic Well	1	2.8
1/4 - 1/2	None	0	0
1/2 - 1	Domestic Wells	15	42
1 - 2	Domestic Wells	80	224
2 - 3	Domestic Wells	136	380.8
3 - 4	Domestic Wells	108	302.4
Total			952.0

Source: GRID 1998; E & E 1999a

[a] Well population is estimated from the average number of persons per household (2.8) for Yamhill County (OSU 1999a).

Table 7-2

GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99224104**	**99224132**	**99224135**	**99224133**	**99224137**	**99224126**	**99224105**	**99224131**	**99224139**	**99224140**	**99234275**	**99234271**	**99234273**	**99234276**	**99224141**	**99224142**
CLP Inorganic Number	**MJR309**	**MJAH20**	**MJAH23**	**MJAH21**	**MJQ754**	**MJAH14**	**MJR310**	**MJAH19**	**MJQ756**	**MJQ757**	**NA**	**MJQ760**	**MJQ761**	**NA**	**NA**	**MJQ759**
CLP Organic Number	**JP138**	**JP312**	**JP315**	**JP313**	**JP317**	**JP306**	**JP139**	**JP311**	**JP319**	**JP320**	**NA**	**JP323**	**JP324**	**NA**	**JP321**	**JP322**
Location ID Number	**MW-7S-GW**	**MW-1S-GW**	**MW-2S-GW**	**MW-4S-GW**	**MW-6S-GW**	**MW-9S-GW**	**MW-10S-GW**	**MW-11S-GW**	**N1S-GW**	**N1D-GW**	**N1D-PR**	**N-2S-GW**	**N-2D-GW**	**N-2D-PR**	**N-3S-GW**	**N-3D-GW**
Description	**BACKGROUND**										**NAPL**			**NAPL**		
SVOCs (µg/L)											**(µg/kg)**			**(µg/kg)**		
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	10 U	1000000 U	10 U	190 U	1000000 U	**6 JQK**	10 U
2,4,5-Trichlorophenol	25 U	25 U	**2 JQK**	25 U	25 U	24 U	26 U	25	25 U	26 U	1000000 U	25 U	480 U	1000000 U	**9 JQK**	25 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	10 U	1000000 U	**3 JQK**	190 U	1000000 U	**6 JQK**	10 U
2,4-Dichlorophenol	10 U	10 U	**5 JQK**	10 U	10 U	10 U	10 U	10	10 U	10 U	1000000 U	**8 JQK**	190 U	1000000 U	**25**	10 U
2,4-Dimethylphenol	10 U	10 U	**1 JQK**	10 U	10 U	10 U	10 U	10	10 U	10 U	1000000 U	10 U	**3600 JQK**	1000000 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	1400 U	**56000000**	10 U	**4000**	**17000000**	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	**9 JQK**	1000000 U	10 U	**2300 JQK**	1000000 U	10 U	10 U
4-Methylphenol	10 U	10 UJK	10 U	10 U	10 U	10 U	10 U	10	10 U	**31**	1000000 U	10 U	4600 U	1000000 U	10 U	10 U
Acenaphthene	10 U	10 U	**62**	10 U	10 U	10 U	10 U	10	10 U	**710 JQK**	**28000000**	10 U	**2300 JQK**	**9000000**	**1 JQK**	**20**
Acenaphthylene	10 U	10 U	**1 JQK**	10 U	10 U	10 U	10 U	10	10 U	**5 JQK**	1000000 U	10 U	190 U	1000000 U	10 U	10 U
Anthracene	10 U	10 U	**1 JQK**	10 U	10 U	10 U	10 U	10	10 U	**27**	**4400000**	**1 JQK**	**240**	**1600000**	10 U	**2 JQK**
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	**30**	**3800000**	10 U	**210**	**1100000**	10 U	**1 JQK**
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	**8 JQK**	**1200000**	10 U	**65 JQK**	**440000 JQK**	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	**25**	**3000000**	10 U	**160 JQK**	**1000000**	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	**2 JQK**	1000000 U	10 U	190 U	1000000 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10	10 U	**5 JQK**	**570000 JQK**	10 U	**67 JQK**	**260000 JQK**	10 U	10 U
Bis(2-ethylhexyl)phthalate	10 U	10 UJK	10 UJK	10 UJK	10 UJK	10 U	10 U	10 UJK	10 UJK	**4 JQK**	1000000 U	**1 JQK**	190 U	1000000 U	**8 JQK**	**2 JQK**
Carbazole	10 UJK (100 AC)	10 U	**10 JQK**	10 U	10 U	10 UJK	10 UJK	10 U	10 U	10 U	**1900000**	**18**	**370**	**740000 JQK**	10 U	**6 JQK**
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**26**	**3400000**	10 U	**180 JQK**	**1200000**	10 U	**1 JQK**
Dibenzofuran	10 U	10 U	**26**	10 U	10 U	10 U	10 U	10 U	10 U	**440 JQK**	**22000000**	**66**	**1200**	**7200000**	**1 JQK**	**14**
Diethylphthalate	10 U	10 U	10 U	**2 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	1000000 U	10 U	190 U	1000000 U	10 U	10 U
Fluoranthene	10 U	10 U	**4 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	**130 JQK**	**10000000**	**1 JQK**	**680**	**3900000**	10 U	**7 JQK**
Fluorene	10 U	10 U	**15**	10 U	10 U	10 U	10 U	10 U	10 U	**330 JQK**	**24000000**	**10 JQK**	**960**	**8000000**	10 U	**14**
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**3 JQK**	1000000 U	10 U	**20 JQK**	1000000 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1000000 U	10 U	**14 JQK**	1000000 U	**6 JQK**	10 U
Naphthalene	10 U	10 U	**25**	10 U	10 U	10 U	10 U	10 U	10 U	**4700**	**99000000**	**10 JQK**	**13000**	**31000000**	**12**	10 U
Pentachlorophenol	25 U	25 U	**15 JQK**	**1 JQK**	25 U	24 U	26 U	25 U	**9 JQK**	**38**	**420000 JQK**	**17 JQK**	**2400 JL (200 AC)**	1000000 U	**1500**	**240**
Phenanthrene	10 U	10 U	**3 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	**280 JQK**	**26000000**	10 U	**1500**	**9600000**	10 U	**7 JQK**
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**35**	1000000 U	10 U	**2000 JL (600 AC)**	1000000 U	10 U	10
Pyrene	10 U	10 U	**2 JQK**	10 UJK	10 UJK	10 U	10 U	10 UJK	10 UJK	**63**	**6800000**	10 U	**380**	**2600000**	10 U	**6 JQK**

Key at the end of the table.

Table 7-2 (CONTINUED)

GROUNDWATER SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99224104**	**99224130**	**99224128**	**99224129**	**99224127**	**99224136**	**99224134**	**99224138**	**99234274**	**99224211**
CLP Inorganic Number	**MJR309**	**MJAH18**	**MJAH16**	**MJAH17**	**MJAH15**	**MJAH24**	**MJAH22**	**MJQ755**	**MJQ762**	**MJQ620**
CLP Organic Number	**JP138**	**JP310**	**JP308**	**JP309**	**JP307**	**JP316**	**JP314**	**JP318**	**JP325**	**JP261**
Location ID Number	**MW-7S-GW**	**PZ-101-GW**	**PZ-102-GW**	**PZ-105-GW**	**PZ-116-GW**	**MW-2D-GW**	**MW-4D-GW**	**MW-6D-GW**	**MW-8D-GW**	**RW-01-GW**
Description	**BACKGROUND**									
SVOCs (µg/L)										
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 UJK	**3 JQK**	10 UJK	10 U
Carbazole	10 UJK (100 AC)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25 U	25 U	25 U	**60**	25 U	25 U	25 U	25 U	25 U	25 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 UJK	10 UJK	10 UJK	10 U	10 U

Key at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
GW = Groundwater sample.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/L = Micrograms per liter.
µg/kg = Micrograms per kilogram.
MW = Monitoring well.
NAPL = Non-aqueous phase liquid.
PR = Product.
PZ = Piezometer.
Q = Analyte detected below the adjusted Contract Required Quantitation Limit.
RW = Residential well.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.

Table 7-3

GROUNDWATER SAMPLES
INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99224104	99224132	99224135	99224133	99224137	99224126	99224105	99224131	99224139	99224140	99234275	99234271	99234273	99234276	99234272	99224142
CLP Inorganic Number	MJR309	MJAH20	MJAH23	MJAH21	MJQ754	MJAH14	MJR310	MJAH19	MJQ756	MJQ757	NA	MJQ760	MJQ761	NA	MJQ758	MJQ759
CLP Organic Number	JP148	JP312	JP315	JP313	JP317	JP306	JP139	JP311	JP319	JP320	NA	JP323	JP324	NA	JP321	JP322
Location ID Number	MW-7S-GW	MW-1S-GW	MW-2S-GW	MW-4S-GW	MW-6S-GW	MW-9S-GW	MW-10S-GW	MW-11S-GW	N1S-GW	N1D-GW	N1D-PR	N-2S-GW	N-2D-GW	N2D-PR	N-3S-GW	N-3D-GW
	BACKGROUND										NAPL			NAPL		
Inorganics (µg/L)											(ug/kg)			(ug/kg)		
Aluminum	**56.1 JBK**	**200**	**1150**	**1080**	**35300**	**12800**	**73.6 JBK**	**1210**	**2570**	**248**	**630000**	**3310**	**4430**	**2400000**	**423**	**1360**
Arsenic	**5.4 JBK (10 U)**	4.2 U	4.2 U	4.2 U	**8.50 JBK**	**4.6 JBK**	4.2 U	4.2 U	4.2 U	4.2 U	**5900 JBK**	4.2 U	**8.20 JBK**	**5900 JBK**	4.2 U	**10.2**
Barium	**191 JBK (200 U)**	**28.4 JBH**	**99.2 JBH**	**32.1 JBH**	**221 JH (180 AC)**	**83.7 JBK**	**57.1 JBK**	**69.6 JBH**	**50.7 JBH**	**46.9 JBH**	**3200**	**141 JBK**	**53.3 JBK**	**8700**	**209**	**25.1 JBH**
Beryllium	0.20 U	0.20 U	0.20 U	0.20 U	**0.92 JBK**	**0.54 JBK**	0.20 U	0.20 U	0.20 U	0.20 U	46 U	**0.29 JBK**	0.20 U	46 U	0.20 U	0.20 U
Calcium	**126000**	**24400 JH**	**128000 JH**	**34500 JH**	**61900 JH**	**27500 JH**	**38900 JH**	**88500 JH**	**21300 JH**	**57000 JH**	**160000**	**39000 JH**	**61200 JH**	**970000**	**85900 JH**	**34300 JH**
Chromium	0.70 U	0.70 U	**1.90 JBK**	**1.90 JBK**	**45.8**	**14.2**	0.70 U	**0.81 JBK**	**4.0 JBK**	0.70 U	**91000**	**3.7 JBK**	**6.40 JBK**	**25000**	**0.71 JBK**	**2.10 JBK**
Cobalt	2.2 U	2.2 U	**3.20 JBK**	2.2 U	**23.8 JBK**	**9.90 JBK**	2.2 U	2.2 U	**2.80 JBK**	2.2 U	1500 U	**9.1 JBK**	**2.40 JBK**	1500 U	**44.4 JBK**	2.2 U
Copper	**2.6 JBK (25 U)**	2.6 U	**14.50 JBK**	**4.7 JBK**	**176**	**44.6**	2.6 U	**7.6 JBK**	**11.3 JBK**	**8.1 JBK**	**77000**	**18.7 JBK**	**57.4**	**51000**	**15.3 JBK**	**10.6 JBK**
Iron	**3410**	**250**	**6770**	**1270**	**59100**	**15200**	**287**	**2300**	**4330**	**2610**	**750000**	**4740**	**6100**	**3900000**	**3000**	**2320**
Lead	1.9 U	1.9 U	**1.9**	1.9 U	**4.8**	**7.8**	1.9 U	1.9 U	1.9 U	1.9 U	4000 U	**5.9**	**5.8**	4000 U	**3.2**	1.9 U
Lithium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	510 U	NA	NA	NA	NA	NA
Magnesium	**49700**	**7870 JH**	**29800 JH**	**11600 JH**	**24500 JH**	**11200**	**6830**	**33900 JH**	**11200 JH**	**27500 JH**	**150000**	**20800**	**20800**	**810000**	**49700**	**13100 JH**
Manganese	**871**	**14.2 JBH**	**2840 JH (2200 AC)**	**177 JH (140 AC)**	**1040 JH (800 AC)**	**793**	**308**	**725 JH (570 AC)**	**431 JH (340 AC)**	**562 JH (440 AC)**	**5900**	**1910**	**584**	**27000**	**5860**	**344 JH (270 AC)**
Mercury	**0.38**	**7.4 JL**	**0.21 JL**	**8.2 JL**	**0.51 JL**	**0.5**	**0.75**	**0.35 JL**	**0.37 JL**	**0.44 JL**	**86.3 JL**	0.10 U	**4.8**	**71.7 JL**	**0.22**	**0.51 JL**
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4300**	NA	NA	NA	NA	NA
Nickel	1.9 U	1.9 U	1.9 U	**2.1 JBK**	**36.7 JBK**	**14.5 JBK**	1.9 U	1.9 U	**6.0 JBK**	1.9 U	**6000**	**11.4 JBK**	**4.00 JBK**	3300 U	**25.4 JBK**	1.9 U
Phosphorous	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**24000**	NA	NA	NA	NA	NA
Potassium	**2640 JBK**	**780 JBK**	**1590 JBK**	**912 JBK**	**2180 JBK**	**1600 JBK**	**931 JBK**	**1730 JBK**	**396 JBK**	**366 JBK**	130000 UJK	**557 JBK**	**1960 JBK**	130000 UJK	**729 JBK**	**1870 JBK**
Seleniuim	3.0 U	3.0 UJK	3.0 UJK	**3.2 JBL**	3.0 UJK	3.0 U	3.0 U	3.0 UJK	3.0 UJK	3.0 UJK	15000 U	3.0 U	**3 JBK**	15000 U	**5.1**	3.0 UJK
Silver	0.70 U	0.70 U	0.70 U	0.70 U	**2.10 JBK**	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	350 U	0.70 U	0.70 U	350 U	**1.20 JBK**	0.70 U
Sodium	**350000**	**12200 JH**	**140000 JH**	**106000 JH**	**93800 JH**	**15500**	**34200**	**140000 JH**	**36000 JH**	**85700 JH**	**46000**	**61600**	**223000**	**320000**	**199000**	**150000 JH**
Strontium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1200**	NA	NA	NA	NA	NA
Thallium	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	**5.64**	5.6 U	5.6 U	5.6 U	8900 U	5.6 U	5.6 U	8900 U	5.6 U	5.6 U
Vanadium	1.5 U	1.5 U	**5.80 JBK**	**2.70 JBK**	**155**	**39.3 JBK**	1.5 U	**5.0 JBK**	**10.9 JBK**	1.5 U	**8300**	**11.5 JBK**	**27.8 JBK**	**17000**	**1.6 JBK**	**6.60 JBK**
Zinc	**6.08 JBK (20 U)**	1.7 UJK	1.7 UJK	1.7 UJK	**278**	**41.6**	**6.0 JBK**	1.7 UJK	**5.9 JBL**	1.7 UJK	**7900**	**17.3 JBK**	**35.8**	**22000**	**15.6 JBK**	**1.9 JBL**

Key at the end of the table.

Table 7-3 (CONTINUED)

GROUNDWATER SAMPLES
INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99224104**	**99224130**	**99224128**	**99224129**	**99224127**	**99224136**	**99224134**	**99224138**	**99234274**	**99224211**
CLP Inorganic Number	**MJR309**	**MJAH18**	**MJAH16**	**MJAH17**	**MJAH15**	**MJAH24**	**MJAH22**	**MJQ755**	**MJQ762**	**MJQ620**
CLP Organic Number	**JP148**	**JP310**	**JP308**	**JP309**	**JP307**	**JP316**	**JP314**	**JP318**	**JP325**	**JP261**
Location ID Number	**MW-7S-GW**	**PZ-101-GW**	**PZ-102-GW**	**PZ-105-GW**	**PZ-116-GW**	**MW-2D-GW**	**MW-4D-GW**	**MW-6D-GW**	**MW-8D-GW**	**RW-01-GW**
	BACKGROUND									
Inorganics (µg/L)										
Aluminum	**56.1 JBK**	**7940**	**99.9 JBK**	**213**	**5210**	**1680**	**173 JBK**	**106 JBK**	**259**	**85.9 JBK**
Arsenic	**5.4 JBK (10 U)**	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U
Barium	**191 JBK (200 U)**	**96.6 JBK**	**34.2 JBK**	**18.7 JBK**	**68.7 JBK**	**2030 JH (1600 AC)**	**120 JBH**	**1010 JH**	**788**	**21.5 JBK**
Beryllium	0.20 U	**0.30 JBK**	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Calcium	**126000**	**21300 JH**	**71900 JH**	**36200 JH**	**83900 JH**	**910000 JH**	**53700 JH**	**302000 JH**	**193000 JH**	**23900 JH**
Chromium	0.70 U	**6.30 JBK**	0.70 U	0.70 U	**6.60 JBK**	**1.80 JBK**	0.70 U	0.70 U	0.70 U	0.70 U
Cobalt	2.2 U	**11.7 JBK**	2.2 U	2.2 U	**4.20 JBK**	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Copper	**2.6 JBK (25 U)**	**61.6**	2.6 U	**4.8 JBK**	**35.0**	**8.6 JBK**	2.6 U	2.6 U	2.6 U	**4.3 JBK**
Iron	**3410**	**11800**	**305**	**209**	**7160**	**3040**	**397**	**350**	**647**	**444**
Lead	1.9 U	**7.9**	1.9 U	**2.2 JBK**	**2.2 JBK**	**4.3**	1.9 U	1.9 U	1.9 U	1.9 U
Lithium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	**49700**	**10300**	**25800**	**14400**	**38100**	**26000 JH**	**8510 JH**	**45200 JH**	**24200**	**9160**
Manganese	**871**	**1080 (840 AC)**	**424**	**196**	**1120**	**143 JH (110 AC)**	**90.8 JH (70 AC)**	**339 JH (260 AC)**	**99.1**	**6.5 JBK**
Mercury	**0.38**	**0.35**	**0.44**	**0.44**	**0.51**	**0.16 JL**	**4.7 JL**	**0.73 JL**	**0.14 JBK**	**0.27**
Molybdenum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	1.9 U	**14.60 JBK**	1.9 UJ	1.9 U	**5.20 JBK**	**2.50 JBK**	1.9 U	1.9 U	1.9 U	1.9 U
Phosphorous	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	**2640 JBK**	**1220 JBK**	**727 JBK**	**220 JBK**	**1680 JBK**	**12100**	**1740 JBK**	**5470**	**5310**	**1380 JBK**
Seleniuim	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 UJK	3.0 UJK	3.0 UJK	3.0 U	3.0 U
Silver	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Sodium	**350000**	**46300**	**44300**	**17800**	**126000**	**1160000 JH**	**196000 JH**	**503000 JH**	**428000**	**20000**
Strontium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U	5.6 U
Vanadium	1.5 U	**36.6 JBK**	**2.0 JBK**	**2.30 JBK**	**22.3 JBK**	**5.60 JBK**	1.5 U	1.5 U	1.5 U	1.5 U
Zinc	**6.08 JBK (20 U)**	**54.3**	**5.3 JBK**	**9.4 JBK**	**21.4**	**5.6 JL**	1.7 UJK	**2.8 JBL**	**7.4 JBK**	**7.3 JBK**

Key at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC	= Adjusted concentration.
B	= Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
GW	= Groundwater sample.
H	= High bias.
ID	= Identification.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
L	= Low bias.
µg/L	= Micrograms per liter.
µg/kg	= Micrograms per kilogram.
MW	= Monitoring well.
NAPL	= Non-aqueous phase liquid.
PR	= Product.
PZ	= Piezometer.
RW	= Residential well.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.

Table 7-4

GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS, PESTICIDE/PCBS, AND DIOXIN/FURANS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99224104**	**99224132**	**99224135**	**99224133**	**99224137**	**99224126**	**99224105**	**99224131**	**99224139**	**99224140**	**99234275**	**99234271**	**99234273**	**99234276**
CLP Inorganic Number	**MJR309**	**MJAH20**	**MJAH23**	**MJAH21**	**MJQ754**	**MJAH14**	**MJR310**	**MJAH19**	**MJQ756**	**MJQ757**	**NA**	**MJQ760**	**MJQ761**	**NA**
CLP Organic Number	**JP138**	**JP312**	**JP315**	**JP313**	**JP317**	**JP306**	**JP139**	**JP311**	**JP319**	**JP320**	**NA**	**JP323**	**JP324**	**NA**
Location ID Number	**MW-7S-GW**	**MW-1S-GW**	**MW-2S-GW**	**MW-4S-GW**	**MW-6S-GW**	**MW-9S-GW**	**MW-10S-GW**	**MW-11S-GW**	**N1S-GW**	**N1D-GW**	**N1D-PR**	**N-2S-GW**	**N-2D-GW**	**N-2D-PR**
Description	**BACKGROUND**										**NAPL**			**NAPL**
VOCs (µg/L)											**(µg/kg)**			**(µg/kg)**
1,2-Dichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**43 JH (4.3 AC)**	250000 U	10 U	**420**	250000 U
2-Butanone	10 UJK (100 U AC)	10 U	10 U	10 U	10 UJK	10 U	10 U	10 U	10 UJK	10 UJK	R	10 UJK	50 U	R
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	R	10 U	**49 JQK**	R
Benzene	10 U	10 U	**3 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	160000 U	10 U	**16 JQK**	160000 U
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	190000 U	10 U	50 U	190000 U
Ethyl benzene	10 U	10 U	**30 JH (3 AC)**	10 U	10 U	10 U	10 U	10 U	10 U	**66 JH (6.6 AC)**	**1000000 JQK**	10 U	**280**	260000 U
Styrene	10 U	10 U	10 UJK	10 U	10 U	10 U	10 U	10 U	10 U	**8 JQK**	140000 U	10 U	**100**	140000 U
Toluene	10 U	10 U	**2 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	**4 JQK**	230000 U	10 U	**180**	230000 U
Xylene (Total)	10 U	10 U	**13 JH (1.3 AC)**	10 U	10 U	10 U	10 U	10 U	10 U	**54 JH (5.4 AC)**	NA	10 U	**420**	NA
m,p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1100000 JQK**	NA	NA	530000 U
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**520000 JQK**	NA	NA	140000 U
Pesticides/PCBs (µg/L)														
Aldrin	0.048 U	0.052 U	0.050 U	0.050 U	0.05 UJK	0.050 U	0.054 U	0.050 U	0.050 U	0.05 UJK	NA	0.046 U	0.05 UJK	NA
Beta-BHC	0.048 U	0.052 U	0.050 U	0.050 U	0.05 UJK	0.050 U	0.054 U	0.050 U	0.050 U	0.15 UJK	NA	0.28 U	0.05 UJK	NA
Gamma-BHC	0.048 U	0.052 U	0.050 U	0.050 U	0.05 UJK	0.050 U	0.054 U	0.050 U	0.050 U	**0.096 JNK**	NA	0.046 U	0.05 UJK	NA
Gamma- Chlordane	0.048 U	0.052 U	0.050 U	0.050 U	0.05 UJK	0.050 U	0.054 U	0.050 U	0.050 U	0.05 UJK	NA	0.046 U	**0.11 JNK**	NA
Dioxin/Furans (pg/L)														
1,2,3,4,6,7,8-HpCDD	10.874 U	**16.591 JK (1.66 AC)**	**150.127**	**31.228**	**3517.256**	12.858 U	14.158 U	9.012 U	**164.89**	**12886.04**	NA	**95.338**	**1560.015**	NA
1,2,3,4,6,7,8-HpCDF	5.453 U	3.473 U	**16.202**	**4.156**	**748.672**	6.928 U	6.54 U	4.424 U	**21.467**	**1266.3**	NA	**13.955**	**170.074**	NA
1,2,3,4,7,8,9-HpCDF	9.703 U	5.696 U	6.89 U	5.644 U	66.122 U	11.965 U	11.872 U	7.099 U	12.064 U	**77.58**	NA	9.516 U	29.223 U	NA
1,2,3,4,7,8-HxCDD	7.555 U	5.362 U	6.266 U	4.304 U	10.718 U	8.763 U	7.795 U	6.065 U	6.62 U	6.211 U	NA	10.731 U	18.973 U	NA
1,2,3,4,7,8-HxCDF	4.576 U	2.932 U	**5.749 JK (0.57 AC)**	3.695 U	113.683 U	5.789 U	6.311 U	4.524 U	9.874 U	R	NA	9.403 U	20.16 U	NA
1,2,3,6,7,8-HxCDD	6.398 U	4.965 U	5.231 U	3.727 U	**79.816**	7.61 U	7.107 U	5.075 U	5.547 U	**388.899**	NA	9.145 U	**39.59 JK (4.0 AC)**	NA
1,2,3,6,7,8-HxCDF	4.355 U	2.961 U	3.992 U	3.238 U	28.158 U	5.366 U	5.444 U	4.061 U	5.499 U	84.936 U	NA	8.186 U	22.001 U	NA
1,2,3,7,8,9-HxCDD	6.521 U	4.869 U	5.351 U	3.757 U	9.96 U	7.655 U	7.018 U	5.179 U	5.637 U	**69.959**	NA	9.282 U	16.904 U	NA
1,2,3,7,8,9-HxCDF	7.855 U	5.131 U	6.692 U	5.817 U	55.994 U	9.197 U	10.229 U	7.026 U	11.018 U	150.928 U	NA	15.284 U	29.806 U	NA
1,2,3,7,8-PeCDF	6.83 U	3.445 U	3.483 U	3.233 U	8.73 U	6.238 U	9.191 U	4.42 U	6.807 U	R	NA	7.971 U	15.898 U	NA
2,3,4,6,7,8-HxCDF	5.103 U	3.348 U	4.574 U	3.488 U	36.117 U	5.777 U	6.629 U	4.888 U	6.51 U	100.693 U	NA	10.348 U	20.904 U	NA
2,3,4,7,8-PeCDF	6.425 U	3.004 U	3.566 U	3.148 U	8.843 U	5.78 U	8.389 U	4.086 U	6.328 U	R	NA	7.861 U	16.638 U	NA
OCDD	16.957 U	**142.285**	**1305.011**	**215.68**	**27197.52**	10.908 U	**192.432**	**58.284**	**1789.697**	**105318.1**	NA	**973.045**	**13473.88**	NA
OCDF	22.326 U	7.661 U	**21.697**	8.969 U	**3046.504**	13.585 U	27.161 U	10.224 U	**110.542**	**1642.333**	NA	**30.032 JK (3.00 AC)**	**317.479**	NA
TEQ	0	**0.308**	**3.569**	**0.57**	**80.9**	0	**0.1924**	**0.058**	**3.764**	**295**	NA	**2.096**	**35.05**	NA

Key is at the end of the table.

Table 7-4 (CONTINUED)

GROUNDWATER SAMPLES
VOLATILE ORGANIC COMPOUNDS, PESTICIDE/PCBS, AND DIOXIN/FURANS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99224104**	**99224141**	**99224142**	**99224130**	**99224128**	**99224129**	**99224127**	**99224136**	**99224134**	**99224138**	**99234274**	**99224211**
CLP Inorganic Number	**MJR309**	**NA**	**MJQ759**	**MJAH18**	**MJAH16**	**MJAH17**	**MJAH15**	**MJAH24**	**MJAH22**	**MJQ755**	**MJQ762**	**MJQ620**
CLP Organic Number	**JP138**	**JP321**	**JP322**	**JP310**	**JP308**	**JP309**	**JP307**	**JP316**	**JP314**	**JP318**	**JP325**	**JP261**
Location ID Number	**MW-7S-GW**	**N-3S-GW**	**N-3D-GW**	**PZ-101-GW**	**PZ-102-GW**	**PZ-105-GW**	**PZ-116-GW**	**MW-2D-GW**	**MW-4D-GW**	**MW-6D-GW**	**MW-8D-GW**	**RW-01-GW**
Description	**BACKGROUND**											
VOCs (µg/L)												
1,2-Dichloroethene	10 U	**4 JQK**	**2 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	10 UJK (100 U AC)	**4 JQK**	10 UJK	10 U	10 U	10 UJK	10 U	10 UJK	10 U	10 UJK	10 U	10 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	**2 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	**1 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl benzene	10 U	**1 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	**1 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (Total)	10 U	**4 JQK**	**2 JQK**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
m,p-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides/PCBs (µg/L)												
Aldrin	0.048 U	**0.093 JNK**	0.053 U	0.048 U	0.053 U	0.048 U	0.050 U	0.050 U	0.050 U	0.053 U	0.050 U	0.048 U
Beta-BHC	0.048 U	**0.28 JNK**	0.053 U	0.048 U	0.053 U	0.048 U	0.050 U	0.050 U	0.050 U	0.053 U	0.050 U	0.048 U
Gamma-BHC	0.048 U	0.050 U	0.053 U	0.048 U	0.053 U	**0.1**	0.050 U	0.050 U	0.050 U	0.053 U	0.050 U	0.048 U
Gamma- Chlordane	0.048 U	0.050 U	0.053 U	0.048 U	0.053 U	0.048 U	0.050 U	0.050 U	0.050 U	0.053 U	0.050 U	0.048 U
Dioxin/Furans (pg/L)												
1,2,3,4,6,7,8-HpCDD	10.874 U	NA	**3674.66**	**928.672**	**4.787**	**59.221**	25.752 U	**287.692**	**16.197**	**107.439**	**26.728**	**10.273**
1,2,3,4,6,7,8-HpCDF	5.453 U	NA	**274.767**	**91.175**	3.851 U	**11.842**	3.439 U	**220.928**	**4.432 JK (0.44 AC)**	**27.909**	4.408 U	**4.798**
1,2,3,4,7,8,9-HpCDF	9.703 U	NA	42.859 U	7.366 U	5.935 U	4.926 U	5.376 U	**190.228**	7.193 U	11.707 U	7.095 U	3.749 U
1,2,3,4,7,8-HxCDD	7.555 U	NA	6.522 U	10.209 U	3.699 U	3.942 U	4.68 U	**206.176**	5.843 U	8.724 U	5.465 U	3.93 U
1,2,3,4,7,8-HxCDF	4.576 U	NA	R	**55.436**	2.775 U	**3.268**	3.211 U	**215.999**	3.877 U	13.934 U	3.666 U	1.571 U
1,2,3,6,7,8-HxCDD	6.398 U	NA	**153.285**	**44.736**	3.539 U	**8.171**	3.972 U	**205.799**	5.847 U	8.152 U	4.819 U	3.382 U
1,2,3,6,7,8-HxCDF	4.355 U	NA	27.886 U	6.36 U	2.542 U	2.209 U	2.954 U	**199.422**	3.733 U	5.244 U	3.333 U	1.67 U
1,2,3,7,8,9-HxCDD	6.521 U	NA	**26.152**	**22.79**	3.426 U	3.551 U	4.031 U	**190.897**	5.554 U	7.962 U	4.821 U	3.409 U
1,2,3,7,8,9-HxCDF	7.855 U	NA	42.636 U	11.517 U	4.331 U	3.735 U	4.975 U	**175.587**	6.722 U	10.431 U	6.369 U	2.488 U
1,2,3,7,8-PeCDF	6.83 U	NA	6.938 U	5.803 U	3.968 U	3.516 U	4.643 U	**234.958**	4.23 U	8.528 U	3.721 U	3.297 U
2,3,4,6,7,8-HxCDF	5.103 U	NA	34.453 U	7.898 U	2.865 U	2.573 U	3.188 U	**191.19**	4.315 U	6.906 U	4.03 U	1.726 U
2,3,4,7,8-PeCDF	6.425 U	NA	6.785 U	5.899 U	3.578 U	3.398 U	4.36 U	**233.937**	4.472 U	9.41 U	3.873 U	3.128 U
OCDD	16.957 U	NA	**28969.72**	**5855.076**	33.56 U	**537.397**	**214.723**	**935.315**	**118.23**	**1028.354**	**258.611**	53.386 U
OCDF	22.326 U	NA	**749.183**	**235.402**	4.627 U	34.639 U	6.961 U	**352.421**	11.054 U	**194.038**	**13.897**	7.122 U
TEQ	0	NA	**87.12**	**28.6**	**0.0479**	**2.39**	**0.215**	**381**	**0.325**	**2.579**	**0.5398**	**0.151**

Key is at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
GW = Groundwater sample.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
µg/kg = Micrograms per kilogram.
µg/L = Micrograms per liter.
MW = Monitoring well.
N = Tentatively identified compound.
NAPL = Non-aqueous phase liquid.
pg/L = Picograms per liter.
PR = Product.
PZ = Piezometer.
Q = Analyte detected below the adjusted Contract Required Quantitation Limit.
R = Rejected.
RW = Residential well.
TEQ = Total equivalence quotient.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOCs = Volatile organic compounds.

Table 7-5

POPULATION AND WETLAND ACREAGE WITHIN A 4-MILE RADIUS
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Distance Ring (Miles)	Residents	Wetland Acreage
On a source	0	0.18
0 - 1/4	67.2	75
1/4 - 1/2	47.6	100
1/2 - 1	243.6	120
1 - 2	3,365.05	175
2 - 3	2,006.56	200
3 - 4	2,300.82	225
Total	8,030.83	895.18

Source: OSU 1999a, 1999b; USFWS 1994; USGS 1970

Table 7-6

STORMWATER DITCH SEDIMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99244540**	**99234420**	**99234418**	**99234419**	**99244521**	**99244522**	**99244523**	**99244524**	**99234415**	**99234417**	**99244525**	**99244526**	**99244527**	**99244528**	**99244529**	**99244530**	**99244531**
CLP Organic Number	**JP457**	**JP296**	**JP294**	**JP295**	**JP297**	**JP298**	**JP299**	**JP300**	**JP345**	**JP347**	**JP301**	**JP302**	**JP303**	**JP304**	**JP446**	**JP447**	**JP448**
CLP Inorganic Number	**MJAG91**	**MJQ727**	**MJQ725**	**MJQ726**	**MJQ728**	**MJQ729**	**MJQ730**	**MJQ731**	**MJQ781**	**MJQ783**	**MJQ732**	**MJQ733**	**MJQ734**	**MJQ735**	**MJQ736**	**MJQ737**	**MJQ738**
Location ID Number	**SD-04-SD**	**PAD-01-SD**	**MD-04-SD**	**MD-05-SD**	**CD-01-SD**	**CD-02-SD**	**WD-01-SD**	**WD-02-SD**	**ND-01-SD**	**ND-03-SD**	**NRD-01-SD**	**NRD-02-SD**	**NRD-03-SD**	**NRD-04-SD**	**SRD-01-SD**	**SRD-02-SD**	**SRD-03-SD**
	BACKGROUND	**OILY**	**OILY**														
SVOCs (µg/kg)																	
2-Methylnaphthalene	100 U	100 U	**800 JQK**	100 U	200 U	100 U	200 U	100 U	200 U	100 U	100 U	10000 U	100 U	100 U	100 U	100 U	100 U
3- and 4-Methylphenol Coelution	200 U	200 U	2000 U	200 U	400 U	200 U	400 U	200 U	400 U	200 U	200 U	20000 U	200 U	200 U	200 U	200 U	200 U
Acenaphthene	100 U	**70 JQK**	**2000**	100 U	**200 JQK**	100 U	200 U	**60 JQK**	200 U	100 U	100 U	10000 U	100 U	100 U	100 U	100 U	100 U
Acenaphthylene	100 U	100 U	**100 JQK**	100 U	**200**	100 U	200 U	100 U	200 U	100 U	100 U	10000 U	100 U	100 U	100 U	100 U	**60 JQK**
Anthracene	100 U	**400**	**16000**	100 U	**500**	100 U	**60 JQK**	**100 JQK**	200 U	100 U	100 U	**300 JQK**	100 U	100 U	**200**	100 U	**300**
Benzo(a)anthracene	100 U	**1000**	**6000**	**200**	**2000**	100 U	**200**	**300**	200 U	100 U	100 U	**700 JQK**	100 U	100 U	**200**	100 U	**300**
Benzo(a)pyrene	100 U	**600**	**3000**	**100**	**1500**	100 U	**300**	**300**	200 U	100 U	100 U	10000 U	**60 JQK**	100 U	**100**	100 U	**200**
Benzo(b)fluoranthene	100 U	**1800**	**5000**	**300**	**8300**	100 U	**500**	**1100**	200 U	**100**	100 U	**1000 JQK**	100 U	100 U	**300**	100 U	**900**
Benzo(k)fluoranthene	100 U	**700**	**4000**	**200**	**2200**	100 U	**300**	**800**	200 U	100 U	100 U	**900 JQK**	100 U	100 U	**100**	100 U	**400**
Bis(2-ethylhexyl)phthalate	200 U	200 U	**1000 JQK**	200 U	**900**	200 U	400 U	200 U	400 U	200 U	**100 JQK**	**20000 JQK**	200 U	200 U	200 U	200 U	200 U
Chrysene	100 U	**2000**	**10000**	**500**	**10000**	100 U	**400**	**1700**	200 U	**100**	100 U	**1000 JQK**	**90 JQK**	100 U	**400**	**100**	**900**
Di-n-butylphthalate	200 U	200 U	2000 U	200 U	400 U	200 U	400 U	200 U	400 U	200 U	200 U	20000 U	200 U	200 U	200 U	200 U	200 U
Dibenzofuran	200 U	200 U	**2000**	200 U	**200 JQK**	200 U	400 U	**100 JQK**	400 U	200 U	200 U	20000 U	200 U	200 U	200 U	200 U	200 U
Diethylphthalate	300 U	300 U	300 U	300 U	600 U	300 U	600 U	300 U	600 U	300 U	300 U	30000 U	300 U	300 U	300 U	300 U	300 U
Fluoranthene	100 U	**2400**	**19000**	**600**	**13000**	**80 JQK**	**500**	**2900**	200 U	100 U	100 U	**2000 JQK**	**100**	100 U	**400**	**100**	**1000**
Fluorene	100 U	**200 JQK**	**5000**	100 U	**300**	100 U	200 U	**90 JQK**	200 U	100 U	100 U	10000 U	100 U	100 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	100 U	**200**	**2000**	**40 JQK**	**1200**	100 U	**400**	**200**	200 U	100 U	100 U	10000 U	100 U	100 U	**100**	**70 JQK**	**400**
Naphthalene	100 U	100 U	**100 JQK**	100 U	200 U	100 U	200 U	100 U	200 U	100 U	100 U	**200 JQK**	100 U	100 U	100 U	100 U	100 U
Pentachlorophenol	500 U	**1900**	**1100**	**300 JQK**	**1000**	**600**	**1100**	**2300**	**50 JQK**	500 U	500 U	50000 U	500 U	500 U	**1100**	**600**	**1700**
Phenanthrene	100 U	**1300**	**15000**	100 U	**4300**	100 U	**200**	**2000**	200 U	100 U	100 U	**100 JQK**	**100**	100 U	**300**	**80 JQK**	**200**
Pyrene	100 U	**1900**	**16000**	**600**	**9800**	**90 JQK**	**800**	**3000**	200 U	100 U	100 U	**200 JQK**	**100**	100 U	**400**	**100**	**900**

Key at the end of the table.

Table 7-6 (CONTINUED)

STORMWATER DITCH SEDIMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99244540**	**99244532**	**99244533**	**99244534**	**99244535**	**99234432**	**99234433**	**99234434**	**99234435**	**99244544**	**99244545**	**99244538**	**99244539**	**99244542**	**99244543**	**99244751**	**99244546**
CLP Organic Number	**JP457**	**JP449**	**JP450**	**JP451**	**JP452**	**JP285**	**JP286**	**JP287**	**JP288**	**JP351**	**JP352**	**JP455**	**JP456**	**JP349**	**JP350**	**JP357**	**JP353**
CLP Inorganic Number	**MJAG91**	**MJQ739**	**MJQ740**	**MJQ741**	**MJAG86**	**MJQ716**	**MJQ717**	**MJQ718**	**MJQ719**	**MJQ805**	**MJQ806**	**MJAG89**	**MJAG90**	**MJQ803**	**MJQ804**	**MJQ787**	**MJQ807**
Location ID Number	**SD-04-SD**	**SRD-04-SD**	**SRD-05-SD**	**SRD-06-SD**	**SRD-07-SD**	**VHD-01-SD**	**VHD-02-SD**	**VHD-03-SD**	**VHD-04-SD**	**MSD-01-SD**	**MSD-02-SD**	**SMD-01-SD**	**SMD-02-SD**	**SMD-03-SD**	**SMD-04-SD**	**PPD-01-SD**	**EPD-01-SD**
	BACKGROUND							**OILY**							**OILY**	**OILY**	**OILY**
SVOCs (µg/kg)																	
2-Methylnaphthalene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	500 U	400 U	100 U	1500 U	**90 JQK**	**300**	**200 JQK**
3- and 4-Methylphenol Coelution	200 U	200 U	**100 JQK**	200 U	200 U	**100 JQK**	200 U	400 U	200 U	200 U	1000 U	800 U	200 U	**400 JQK**	**200 JQK**	200 U	8000 U
Acenaphthene	100 U	100 U	**1100**	100 U	100 U	100 U	100 U	200 U	100 U	100 U	500 U	400 U	100 U	**100 JQK**	**80 JQK**	100 U	4000 U
Acenaphthylene	100 U	100 U	**400**	100 U	100 U	100 U	100 U	200 U	**60 JQK**	100 U	500 U	400 U	100 U	1500 U	2000 U	100 U	4000 U
Anthracene	100 U	100 U	**1000**	100 U	**70 JQK**	100 U	100 U	200 U	**100**	100 U	**100 JQK**	400 U	100 U	**200 JQK**	**100 JQK**	**300**	**100 JQK**
Benzo(a)anthracene	100 U	100 U	**5000**	**80 JQK**	100 U	**90 JQK**	**100**	**60 JQK**	**300**	**100**	**300 JQK**	**100 JQK**	100 U	**200 JQK**	**300 JQK**	**400**	4000 U
Benzo(a)pyrene	100 U	100 U	**2700**	100 U	**70 JQK**	**200**	**200**	**100 JQK**	**500**	**100 JQK**	**200 JQK**	**200 JQK**	100 U	**100 JQK**	**300 JQK**	**100 JQK**	4000 U
Benzo(b)fluoranthene	100 U	100 U	**7000**	**300**	**100**	**300**	**200**	**200 JQK**	**1100**	**300**	**400 JQK**	**200 JQK**	100 U	**200 JQK**	**500 JQK**	**300**	4000 U
Benzo(k)fluoranthene	100 U	200 U	**2200**	**100**	100 U	**200**	**200**	**100 JQK**	**500**	**200**	**600**	**200 JQK**	100 U	**200 JQK**	**400 JQK**	**200**	4000 U
Bis(2-ethylhexyl)phthalate	200 U	200 U	200 U	200 U	200 U	200 U	**100 JQK**	400 U	200 U	**100 JQK**	**1000 JQK**	**800 JQK**	200 U	**300 JQK**	**2000 JQK**	**100 JQK**	**5000 JQK**
Chrysene	100 U	100 U	**12000**	**300**	**90 JQK**	**200**	**200**	**100 JQK**	**900**	**200**	**700**	**200 JQK**	100 U	**500 JQK**	**700 JQK**	**600**	**700 JQK**
Di-n-butylphthalate	200 U	200 U	200 U	200 U	200 U	200 U	200 U	400 U	200 U	200 U	**100 JQK**	800 U	200 U	4500 U	**90 JQK**	200 U	8000 U
Dibenzofuran	200 U	200 U	**500**	200 U	200 U	200 U	200 U	400 U	200 U	200 U	1000 U	800 U	200 U	**100 JQK**	**90 JQK**	**200**	**200 JQK**
Diethylphthalate	300 U	300 U	300 U	300 U	300 U	300 U	300 U	600 U	300 U	300 U	1500 U	1200 U	300 U	4500 U	6000 U	300 U	12000 U
Fluoranthene	100 U	100 U	**27000**	**100**	100 U	**200**	**200**	**200 JQK**	**600**	**200**	**600**	**300 JQK**	100 U	**1000 JQK**	**900 JQK**	**1700**	**600 JQK**
Fluorene	100 U	100 U	**1200**	100 U	100 U	100 U	100 U	200 U	100 U	100 U	500 U	400 U	100 U	**300 JQK**	**80 JQK**	**100**	4000 U
Indeno(1,2,3-cd)pyrene	100 U	100 U	**1400**	**80 JQK**	**70 JQK**	**100**	**200**	**100 JQK**	**500**	**100**	**300 JQK**	400 U	100 U	1500 U	**300 JQK**	**60 JQK**	4000 U
Naphthalene	100 U	100 U	**100**	100 U	100 U	100 U	100 U	200 U	100 U	100 U	500 U	400 U	100 U	**90 JQK**	**100 JQK**	**300**	**100 JQK**
Pentachlorophenol	500 U	500 U	**80 JQK**	**400 JQK**	**90 JQK**	**100 JQK**	**300 JQK**	**90 JQK**	**1800**	**90 JQK**	2500 U	**50 JQK**	500 U	**100 JQK**	**300 JQK**	**200 JQK**	**500 JQK**
Phenanthrene	100 U	100 U	**17000**	100 U	100 U	100 U	**90 JQK**	200 U	**200**	**100**	**200 JQK**	**90 JQK**	100 U	**800 JQK**	**400 JQK**	**600**	**500 JQK**
Pyrene	100 U	100 U	**23000**	**100**	**60 JQK**	**400**	**400**	**300**	**1100**	**100**	**600**	**400**	100 U	**900 JQK**	**1000 JQK**	**1300**	**700 JQK**

Key at the end of the table.

Table 7-6 (CONTINUED)

STORMWATER DITCH SEDIMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99244540**	**99244548**	**99244549**	**99244750**	**99244752**	**99234421**	**99244536**	**99244537**	**99244541**	**99234285**	**99234286**	**99234287**
CLP Organic Number	**JP457**	**JP354**	**JP355**	**JP356**	**JP247**	**JP274**	**JP453**	**JP454**	**JP348**	**JP376**	**JP377**	**JP377**
CLP Inorganic Number	**MJAG91**	**MJQ784**	**MJQ785**	**MJQ786**	**MJQ788**	**MJQ705**	**MJAG87**	**MJAG88**	**MJQ802**	**MJQ645**	**MJQ646**	**MJQ647**
Location ID Number	**SD-04-SD**	**EPD-02-SD**	**EPD-03-SD**	**EPD-04-SD**	**WL-01-SD**	**ED-01-SD**	**ED-02-SD**	**ED-03-SD**	**ED-04-SD**	**SD-01-SD**	**SD-02-SD**	**SD-03-SD**
	BACKGROUND	**OILY**		**OILY**								
SVOCs (µg/kg)												
2-Methylnaphthalene	100 U	50000 U	100 U	**100 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	**900**	200 U
3- and 4-Methylphenol Coelution	200 U	100000 U	200 U	4000 U	200 U	200 U	200 U	200 U	200 U	200 U	**1400**	**1200**
Acenaphthene	100 U	50000 U	100 U	2000 U	100 U	100 U	100 U	100 U	100 U	100 UJK	**3700**	200 U
Acenaphthylene	100 U	50000 U	100 U	2000 U	100 U	100 U	100 U	100 U	100 U	100 U	**80 JQK**	200 U
Anthracene	100 U	50000 U	**100 JQK**	**100 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	**2800**	200 U
Benzo(a)anthracene	100 U	50000 U	**400**	**200 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	**800**	**100 JH (10 AC)**
Benzo(a)pyrene	100 U	50000 U	**600 JH (60 AC)**	2000 U	100 U	100 U	**60 JQK**	100 U	100 U	100 U	**600 JH (60 AC)**	200 UJK
Benzo(b)fluoranthene	100 U	50000 U	**900 JH (90 AC)**	**700 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	**900 JH (90 AC)**	**100 JH (10 AC)**
Benzo(k)fluoranthene	100 U	50000 U	**400 JH (40 AC)**	**400 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	**400 JH (40 AC)**	**100 JH (10 AC)**
Bis(2-ethylhexyl)phthalate	200 U	**10000 JQK**	**400**	**3000 JQK**	200 U	200 U	**200 JQK**	200 U	200 U	200 U	**200 JQK**	**300 JH (30 AC)**
Chrysene	100 U	50000 U	**600**	**600 JQK**	100 U	100 U	**70 JQK**	100 U	100 U	100 U	**1100**	**200 JH (20 AC)**
Di-n-butylphthalate	200 U	100000 U	200 U	4000 U	200 U	200 U	200 U	200 U	200 U	200 UJK	400 U	400 UJK
Dibenzofuran	200 U	100000 U	200 U	**100 JQK**	200 U	200 U	200 U	200 U	200 U	200 UJK	**2100**	400 U
Diethylphthalate	300 U	**6000 JQK**	300 U	6000 U	300 U	300 U	300 U	300 U	300 U	300 U	600 U	600 U
Fluoranthene	100 U	50000 U	**700**	**600 JQK**	100 U	100 U	**80 JQK**	100 U	100 U	100 UJK	**6400**	**400**
Fluorene	100 U	50000 U	100 U	2000 U	100 U	100 U	100 U	100 U	100 U	100 UJK	**3800**	200 U
Indeno(1,2,3-cd)pyrene	100 U	50000 U	**600 JH (60 AC)**	2000 U	100 U	100 U	**50 JQK**	100 U	100 U	100 U	**100 JH (10 AC)**	200 UJK
Naphthalene	100 U	50000 U	100 U	**100 JQK**	100 U	100 U	100 U	100 U	100 U	100 U	**300**	200 U
Pentachlorophenol	500 U	250000 U	**200 JQK**	**400 JQK**	500 U	500 U	**70 JQK**	500 U	500 U	500 UJK	1000 U	1000 U
Phenanthrene	100 U	50000 U	**500**	**300 JQK**	100 U	100 U	100 U	100 U	100 U	100 UJK	**17000**	**300**
Pyrene	100 U	50000 U	**1400**	**600 JQK**	100 U	100 U	**100 JQK**	100 U	100 U	**70 JQK**	**4600**	**500 JH (50 AC)**

Key at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
CD = Center ditch.
CLP = Contract Laboratory Program.
ED = East ditch.
EPA = United States Environmental Protection Agency.
EPD = End painting ditch.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
MD = Main ditch.
ug/kg = Micrograms per kilogram.
MSD = Maintenance shop ditch.
ND = North ditch.
NRD = North railroad ditch.
PAD = Ponded area ditch.
PPD = Power plant ditch.
Q = Analyte was dectected below the adjusted Contract Required Quantitation Limit.
SD- = Sheridan Forest Products ditch.
-SD = Sediment sample.
SMD = Sawmill maintenance ditch.
SRD = South railroad ditch.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VHD = Valley Highway ditch.
WD = West ditch.
WL = Wetland.

Table 7-7

STORMWATER DITCH SEDIMENT SAMPLES
INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99244540	99234420	99234418	99234419	99244521	99244522	99244523	99244524	99234415	99234417	99244525	99244526	99244527	99244528	99244529	99244530	99244531
CLP Organic Number	JP457	JP296	JP294	JP295	JP297	JP298	JP299	JP300	JP345	JP347	JP301	JP302	JP303	JP304	JP446	JP447	JP448
CLP Inorganic Number	MJAG91	MJQ727	MJQ725	MJQ726	MJQ728	MJQ729	MJQ730	MJQ731	MJQ781	MJQ783	MJQ732	MJQ733	MJQ734	MJQ735	MJQ736	MJQ737	MJQ738
Location ID Number	SD-04-SD	PAD-01-SD	MD-04-SD	MD-05-SD	CD-01-SD	CD-02-SD	WD-01-SD	WD-02-SD	ND-01-SD	ND-03-SD	NRD-01-SD	NRD-02-SD	NRD-03-SD	NRD-04-SD	SRD-01-SD	SRD-02-SD	SRD-03-SD
	BACKGROUND	OILY	OILY														
Inorganics (mg/kg)																	
Aluminum	33400	28800	17600	30600	21200	44300	24500	17600	28400	20600	21900	31600	26100	21900	15000	19500	25800
Antimony	R	20.0 UJK	20.5 UJK	17.0 JL	R	1.1 UJK	0.68 UJK	R	27.1 UJK	20.2 UJK	1.2 UJK	3.8 UJK	R	R	R	1.1 UJK	0.82 UJK
Arsenic	8.5	138	79.8	15.8	36.6	1.4 JBK	29.2	26.8	9.0	18.2	35.8	36.2	19.0	28.5	58.4	400	69.6
Barium	224	121	94.2	254	170	74.0	173	181	343	285	167	166	221	202	125	182	167
Beryllium	0.95 JBK (1.70 U)	0.47 U	0.35 U	1.2 U	0.88 JBK	0.43 JBK	0.89 JBK	1.1 JBK	0.74 U	1.0 U	0.92 JBK	1.0 U	1.1 JBK	1.1 JBK	0.88 JBK	0.88 JBK	0.92 JBK
Cadmium	0.14 U	1.6 JBK	1.2 U	0.95 U	0.18 U	0.42 JBK	0.09 U	0.10 U	1.6 U	1.2 U	0.16 U	2.7 JBK	0.15 U	0.12 U	0.11 U	0.11 U	0.11 U
Calcium	6650	10900	7970	5610	5110	23600	6420	2440	4490	3540	4840	9450	4110	2860	3560	4300	3930
Chromium	36.6	34.6	26.0	51.9	30.1	73.4	36.4	27.5	40.7	35.2	31.4	36.9	38.9	32.4	24.9	34.4	43.9
Cobalt	52.6	32.1	19.2	66.7	21.4 JBK	72.9	25.5	21.8	25.4 JH (20 AC)	47.6	30.9	21.0 JBK	22.6	21.7	15.3	20.2	12.1 JBK
Copper	61.9	549	329	47.6	134	102	88.1 JL	53.9 JL	81.2 JL	38.2	62.2 JL	153 JL	47.0 JL	34.4 JL	50.1 JL	62.9 JL	57.8 JL
Iron	54200	59300	40800	66500	41200	74600	46200	36700	33800	40300	39400	58400	35900	40000	34200	38600	37600
Lead	11.7 JK (17 AC)	15.3 JL	8.9 JL	17.6 JL	10.3 JK (7 AC)	0.42 UJK	61.5	12.4	41.6 JL	16.4 JL	18.0	45.3	13.1	17.3	11.6	16.8	11.8
Magnesium	6150	16100	8280	11700	6880	68100	7750 JK	3020 JK	5090	4210	5470 JK	9720 JK	4580 JK	3660 JK	3960 JK	4190 JK	4230 JK
Manganese	2380	747	399	2190	812	1300	953 JK (770 AC)	848 JK (680 AC)	1180 JK (950 AC)	2510	1130 JK (900 AC)	597 JK (480 AC)	806 JK (650 AC)	1030 JK (800 AC)	756 JK (610 AC)	957 JK (770 AC)	422 JK (340 AC)
Mercury	0.09 U	0.18 U	0.21 U	0.13 U	0.12 U	0.06 U	0.43	0.24	0.24 U	0.21 U	0.55	0.43	0.47	0.49	0.39	0.30	0.36
Nickel	29.6	34.3	20.3	42.9	25.8	274	30.8	14.7	25.4	27.6	21.7	32.7	24.7	19.3	16.1	19.4	20.6
Potassium	1230 JBK	812 U	423 U	1220 U	1260 JBK	441 JBK	2300	1040 JBK	2390	1380 U	1160 JBK	1270 JBK	1710 JBK	1310 JBK	1110 JBK	1510	1260 JBK
Selenium	1.5 JBL (1.70 U)	0.24 U	0.24 U	0.33 U	1.4 UJK	0.67 UJK	2.5	2.6	0.5 U	0.36 U	2.4	2.0 U	2.1	2.5	1.9	2.3	1.6
Silver	2.7 JBK (3.39 U)	1.5 U	1.6 U	1.2 U	1.9 JBK	2.0 JBK	2.1 JBK	1.7 JBK	2.1 UJK	1.5 U	1.9 JBK	2.6 JBK	1.6 JBK	1.9 JBK	1.7 JBK	1.8 JBK	1.8 JBK
Sodium	7620	4630	4900	3260	1780 JBK	7980	1260 JK	272 JBK	994 JBK	208 U	1640 JBK	7770 JK	508 JBK	343 JBK	672 JK	476 JBK	382 JBK
Thallium	1.9 U	0.45 JBL	0.35 U	0.29 JBL	2.6 U	1.2 U	1.3 U	1.5 U	0.46 U	0.34 U	2.2 U	3.7 U	2.1 U	1.6 U	1.5 U	1.5 U	1.6 U
Vanadium	121	167	125	180	123	155	129	97.3	104	102	104	143 (110 AC)	99.0	102	87.7	99.2	104
Zinc	270 JL (400 AC)	218	590	188	525 JL	111 JL	257	56.4	197	102	196	1280	174	75.1	94.9	135	201

Key at the end of the table.

Table 7-7 (CONTINUED)

STORMWATER DITCH SEDIMENT SAMPLES
INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99244540	99244532	99244533	99244534	99244535	99234432	99234433	99234434	99234435	99244544	99244545	99244538	99244539	99244542	99244543	99244751	99244546
CLP Organic Number	JP457	JP449	JP450	JP451	JP452	JP285	JP286	JP287	JP288	JP351	JP352	JP455	JP456	JP349	JP350	JP357	JP353
CLP Inorganic Number	MJAG91	MJQ739	MJQ740	MJQ741	MJAG86	MJQ716	MJQ717	MJQ718	MJQ719	MJQ805	MJQ806	MJAG89	MJAG90	MJQ803	MJQ804	MJQ787	MJQ807
Location ID Number	SD-04-SD	SRD-04-SD	SRD-05-SD	SRD-06-SD	SRD-07-SD	VHD-01-SD	VHD-02-SD	VHD-03-SD	VHD-04-SD	MSD-01-SD	MSD-02-SD	SMD-01-SD	SMD-02-SD	SMD-03-SD	SMD-04-SD	PPD-01-SD	EPD-01-SD
	BACKGROUND							OILY							OILY	OILY	OILY
Inorganics (mg/kg)																	
Aluminum	33400	25400	22700	34600	24200	35100	37500	315500	28200	26200	29200	34600	26800	5180	20600	30000	30200
Antimony	R	0.69 UJK	R	R	R	31.1 UJK	14 UJK	31.6 UJK	13.6 UJK	R	R	0.92 UJK	R	R	R	R	0.71 UJK
Arsenic	8.5	23.0	58.5	69.8	17.5	28.3	25.4	139	57.5	34.9	22.1	7.4	14.3	17.2	26.0	6.9	23.8
Barium	224	184	202	222	200	201	119	184	174	156	106	155	218	36.7 JBK	122 JBK	169	137
Beryllium	0.95 JBK (1.70 U)	1.1 JBK	1.1 JBK	1.2 JBK	0.97 JBK	0.89 U	0.61 U	0.7 U	0.68 JBK	0.89 JBK	0.74 JBK	1.0 JBK	1.1 JBK	0.23 JBK	0.53 JBK	0.67 JBK	0.80 JBK
Cadmium	0.14 U	0.12 U	0.14 U	0.16 U	0.11 U	1.9 U	1.5	1.9 U	1.0 JBK	0.14 JBK	0.18 JBK	0.17 U	0.14 U	0.43 U	0.36 U	0.11 U	0.54 JBK
Calcium	6650	3530	4540	6850	4720	8970	10100	9640	8540	8000 JK	14200 JK	18000	4800	5160 JBK	9760 JK	15500 JK	11500 JK
Chromium	36.6	35.7	32.5	43.0	33.3	66.8	48.0	52.1	44.9	40.9 JL	35.8 JL	29.9	43.2	7.5 JBL	76.9 JL	36.3 JL	52.6 JL
Cobalt	52.6	19.5	21.7	35.3	18.5	31.7 JH (25 AC)	28.6 JH (23 AC)	37.7 JH (30 AC)	29.1 JH (23 AC)	25.6	27.8	41.4	26.7	5.4 JBK	20.3 JBK	20.3	31.5
Copper	61.9	37.4 JL	111 JL	197 JL	111	151 JL	105 JL	303 JL	114 JL	111	124	182	47.1	26.6 JBK	159	225	142
Iron	54200	40500	39900	46400	36600	60000	59600	74900	58500	51500	55000	80200	52300	12000	41200	49000	56800
Lead	11.7 JK (17 AC)	18.9	12.8	15.1	22.6 JK (16 AC)	135 JL	93.8 JL	27.8 JL	33.6 JL	34.1 JL	41.4 JL	9.7 JK (7 AC)	27.6 JK (19 AC)	6.9	43.0 JL	7.3 JL	58.4 JL
Magnesium	6150	4220 JK	6350 JK	9910 JK	5160	11800	11200	15000	12600	9840 JK	14300 JK	18900	5960	3120 JBK	7700 JK	12500 JK	17000 JK
Manganese	2380	852 JK (690 AC)	558 JK (450 AC)	1220 JK	1050	836 JK (670 AC)	934 JK (750 AC)	1720 JK (1390 AC)	1030 JK (830 AC)	802 JK (650 AC)	784 JK (630 AC)	1160	909	161 JK (130 AC)	520 JK (400 AC)	796 JK (640 AC)	944 JK (760 AC)
Mercury	0.09 U	0.49	8.5	0.40	0.07 U	0.31 U	0.15 U	0.17 U	0.09 U	0.07 U	0.08 JBK	0.11 U	0.09 U	0.22 U	0.22 JBK	0.06 U	0.08 U
Nickel	29.6	19.2	25.4	33.8	23.6 U	41.9	44.6	44.4	41.2	32.1 JK (24 AC)	41.7 JK (31 AC)	56.0	24.6	11.3 JBK	32.3 JBK	42.5 JK (31 AC)	48.6 JK (36 AC)
Potassium	1230 JBK	1330 JBK	1210 JBK	1760 JBK	2380	1590 JBK	1480	1820 JBK	2100	1440 JBK	845 JBK	1840 JBK	1470 JBK	352 JBK	1250 JBK	4250	863 JBK
Selenium	1.5 JBL (1.70 U)	3.1	2.0	2.2	1.8 JL	0.37 UJK	0.17 UJK	0.38 U	0.16 U	1.8 JL	1.1 UJK	2.0 JBL	1.4 JBL	3.2 UJK	2.7 UJK	0.83 JL	1.3 JBL
Silver	2.7 JBK (3.39 U)	2.0 JBK	2.0 JBK	2.5 JBK	1.9 JBK	2.4 U	1.1 U	2.4 UJK	1.0 UJK	2.4 JBK	2.7 JBK	3.4 JBK	2.3 JBK	1.2 JBK	3.0 JBK	2.1 JBK	2.9 JBK
Sodium	7620	368 JBK	860 JBK	791 JBK	351 JBK	2220 JBK	5720	1580 JBK	2160	1570	6410	4340	607 JBK	933 JBK	4190 JBK	3420	5660
Thallium	1.9 U	1.6 U	2.0 U	2.3 U	1.5 U	0.53 U	0.24 UJK	0.54 U	0.23 U	1.7 U	2.1 U	2.4 U	1.9 U	6.0 U	5.1 U	1.5 U	1.8 U
Vanadium	121	105	112	137	97.9	174	169	197	154	129 JL	156 JL	205	142	28.2 JBL	107 JL	107 JL	158 JL
Zinc	270 JL (400 AC)	91.6	106	223	123 JL	301	158	1860	484	358 JL	218 JL	172 JL	87.6 JL	82.2 JL	494 JL	227 JL	667 JL

Key at the end of the table.

Table 7-7 (CONTINUED)

STORMWATER DITCH SEDIMENT SAMPLES
INORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99244540	99244548	99244549	99244750	99244752	99234421	99244536	99244537	99244541	99234285	99234286	99234287
CLP Organic Number	JP457	JP354	JP355	JP356	JP247	JP274	JP453	JP454	JP348	JP376	JP377	JP377
CLP Inorganic Number	MJAG91	MJQ784	MJQ785	MJQ786	MJQ788	MJQ705	MJAG87	MJAG88	MJQ802	MJQ645	MJQ646	MJQ647
Location ID Number	SD-04-SD	EPD-02-SD	EPD-03-SD	EPD-04-SD	WL-01-SD	ED-01-SD	ED-02-SD	ED-03-SD	ED-04-SD	SD-01-SD	SD-02-SD	SD-03-SD
	BACKGROUND	OILY		OILY								
Inorganics (mg/kg)												
Aluminum	33400	21100	17300	32600	26000 JK	40900	24900	25800	33000	14400	21400	28900
Antimony	R	1.2 UJK	R	R	R	17.1 U	R	1.1 UJK	R	R	R	R
Arsenic	8.5	25.4	8.2	26.4	26.7 JL	5.3	3.0 JBK	31.8	3.3	10.4	5.4 JBK	10.9
Barium	224	109	133	157	199	214	56.3 JBK	397	92.6	140	108	194
Beryllium	0.95 JBK (1.70 U)	0.53 JBK	0.51 JBK	0.88 JBK	1.0 JBK	0.77 U	0.42 JBK	0.75 JBK	0.60 JBK	0.44 U	0.39 U	1.2 U
Cadmium	0.14 U	0.92 JBK	0.51 JBK	0.46 JBK	0.15 U	1.0 U	0.16 JBK	0.16 U	0.12 U	0.84 U	2.2 U	3.2 U
Calcium	6650	10300 JK	5380 JK	11000 JK	3090 JL	8400	9570	13000	13900 JK	6360	14400	13400
Chromium	36.6	37.9 JL	24.4 JL	51.2 JL	38.8 JK (30 AC)	60.4 JH (47 AC)	17.1	20.9	18.0 JL	27.0	25.8	39.2
Cobalt	52.6	18.6	17.0	25.4 JBK	33.6	25.1	17.2	132	26.9	27.6	19.0 JBK	31.7 JBK
Copper	61.9	151	80.5	173	40.8 JL	79.5 JK (65 AC)	74	94.4	74.4	67.4	66.4	95.2 U
Iron	54200	39600	34300	55900	51700	61900	32600	74000	49100	45500	45000	61700
Lead	11.7 JK (17 AC)	66.5 JL	68.2 JL	49.2 JL	13.4	10.3 JH (7 AC)	16.7 JK (12 AC)	7.6 JK (5 AC)	3.3 JL	26.1 JH (18 AC)	4.4 JH (3 AC)	14.4 JH (10 AC)
Magnesium	6150	11200 JK	6160 JK	16300 JK	4160 JL	11900	10500	12900	13700 JK	8230	9630	12200
Manganese	2380	470 JK (380 AC)	566 JK (460 AC)	444 JK (360 AC)	1050 JK (850 AC)	730	503	5840	1100 JK (900 AC)	1750	624	812
Mercury	0.09 U	0.20	0.05 U	0.13 U	0.19 JL	0.07 U	0.09 U	0.10 U	0.07 U	0.06 U	0.16 U	0.23 U
Nickel	29.6	0.20	24.9 JK (18 AC)	41.8 JK (31 AC)	23.7 JL	50.2	29.9	33.7	33.2 JK (24 AC)	27.7	41.8	40.5
Potassium	1230 JBK	755 JBK	992 JBK	779 JBK	2380	1930	401 JBK	1150 JBK	926 JBK	573 JBK	735 JBK	1410 JBK
Selenium	1.5 JBL (1.70 U)	1.4 JL	1.0 JBL	1.7 UJK	3.4	0.22 UJK	1 UJK	3.2 JL	1.2 JBL	0.17 U	0.44 U	0.63 U
Silver	2.7 JBK (3.39 U)	1.8 JBK	1.5 JBK	3.4 JBK	2.4 JBK	R	1.7 JBK	3.7 JBK	2.3 JBK	1.1 UJK	2.8 UJK	4.1 UJK
Sodium	7620	4580	1180	4820	531 JBK	1090 JBK	9950	3880	13400	702 JBK	3230	3390 JBK
Thallium	1.9 U	1.9 U	1.3 U	3.2 U	2.2 U	0.29 UJK	1.9 U	2.2 U	1.7 U	0.24 U	0.63 U	0.90 U
Vanadium	121	106 JL	88.2 JL	175 JL	128 JK (100 AC)	174 JH (130 AC)	90.9	157	130 JL	106	118	139
Zinc	270 JL (400 AC)	710 JL	140 JL	453 JL	76.9 JL	117	142 JL	216 JL	93.2 JL	106	83.7	171

Key at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC	= Adjusted concentration.
B	= Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CD	= Center ditch.
CLP	= Contract Laboratory Program.
ED	= East ditch.
EPA	= United States Environmental Protection Agency.
EPD	= End painting ditch.
H	= High bias.
ID	= Identification.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
L	= Low bias.
MD	= Main ditch.
mg/kg	= Milligrams per kilogram.
MSD	= Maintenance shop ditch.
ND	= North ditch.
NRD	= North railroad ditch.
PAD	= Ponded area ditch.
PPD	= Power plant ditch.
R	= Rejected.
SD-	= Sheridan Forest Products ditch.
-SD	= Sediment sample.
SMD	= Sawmill maintenance ditch.
SRD	= South railroad ditch.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VHD	= Valley Highway ditch.
WD	= West ditch.
WL	= Wetland.

Table 7-8

STORMWATER DITCH SEDIMENT SAMPLES
VOLATILE ORGANIC COMPOUND, PESTICIDE/PCB, AND DIOXIN/FURAN
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99244540	99234420	99234418	99234419	99244521	99244522	99244523	99244524	99234415	99234417	99244525	99244526	99244527	99244528	99244529	99244530	99244531
CLP Organic Number	JP457	JP296	JP294	JP295	JP297	JP298	JP299	JP300	JP345	JP347	JP301	JP302	JP303	JP304	JP446	JP447	JP448
CLP Inorganic Number	MJAG91	MJQ727	MJQ725	MJQ726	MJQ728	MJQ729	MJQ730	MJQ731	MJQ781	MJQ783	MJQ732	MJQ733	MJQ734	MJQ735	MJQ736	MJQ737	MJQ738
Location ID Number	SD-04-SD	PAD-01-SD	MD-04-SD	MD-05-SD	CD-01-SD	CD-02-SD	WD-01-SD	WD-02-SD	ND-01-SD	ND-03-SD	NRD-01-SD	NRD-02-SD	NRD-03-SD	NRD-04-SD	SRD-01-SD	SRD-02-SD	SRD-03-SD
	BACKGROUND	OILY	OILY														
VOCs (µg/kg)																	
2-Butanone	18 UJK (180 U AC)	16 U	17 U	14 U	21 UJK	11 UJK	12 UJK	13 UJK	23 UJK	17 U	18 UJK	37 UJK	18 UJK	14 UJK	16 UJK	13 UJK	15 UJK
Acetone	18 UJK (180 U AC)	16 U	17 U	14 U	21 UJK	11 UJK	12 UJK	13 UJK	23 UJK	17 U	18 UJK	**350 JH (35 AC)**	18 UJK	14 UJK	16 UJK	13 UJK	15 UJK
Carbon disulfide	18 U	16 U	17 U	14 U	21 U	11 U	12 U	13 U	23 U	17 U	18 U	37 U	18 U	14 U	16 U	13 U	15 U
Methylene chloride	18 U	16 U	17 U	14 U	21 U	11 U	12 U	13 U	23 U	17 U	18 U	37 U	18 U	14 U	16 U	13 U	15 U
Toluene	18 U	16 U	17 U	14 U	21 U	**3 JQK**	**4 JQK**	13 U	23 U	17 U	18 U	**16 JQK**	18 U	14 UJK	16 UJK	13 UJK	15 UJK
Pesticide/PCBs (µg/kg)																	
4,4'-DDD	58 U	5.2 U	5.5 U	4.4 U	70 UJK	35 U	39 U	41 U	7.5 U	**1.4 JQK**	60 U	120 U	58 U	47 U	51 U	42 U	50 U
4,4'-DDE	58 U	5.2 U	5.5 U	4.4 U	70 UJK	35 U	39 U	41 U	**20**	**9.5**	60 U	120 U	58 U	47 U	51 U	42 U	50 U
4,4'-DDT	58 UJK (740 AC)	5.2 U	5.5 U	4.4 U	70 UJK	35 U	39 U	41 U	7.5 U	5.5 U	60 U	120 U	58 U	47 U	51 U	42 U	50 U
Aldrin	30 U	2.7 U	2.8 U	2.3 U	36 UJK	18 U	20 U	21 U	3.9 U	2.8 U	31 U	62 U	30 U	24 U	26 U	22 U	26 U
Beta-BHC	30 U	2.7 U	2.8 U	2.3 U	36 UJK	18 U	20 U	21 U	3.9 U	2.8 U	31 U	62 U	30 U	24 U	26 U	22 U	26 U
Endosulfan Sulfate	58 U	5.2 U	5.5 U	4.4 U	70 UJK	35 U	39 U	41 U	7.5 U	5.5 U	60 U	120 U	58 U	47 U	51 U	42 U	50 U
Heptachlor	30 U	2.7 U	2.8 U	2.3 U	36 UJK	18 U	20 U	21 U	3.9 U	2.8 U	31 U	62 U	30 U	24 U	26 U	22 U	26 U
Methoxychlor	300 UJK (3000 U AC)	27 U	28 U	23 U	360 UJK	180 U	200 U	210 U	39 U	28 U	310 U	620 U	300 U	240 U	260 U	220 U	260 U
Dioxin/Furans (ng/kg)																	
1,2,3,4,6,7,8-HpCDD	**7.696**	**38704**	**21946.39**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	0.562 U	**6123.7**	**4658**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	0.794 U	**277.705**	**67.422**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD	0.921 U	121.932 U	37.999 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	0.648 U	1064.326 U	416.478 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	0.784 U	**483.66**	**137.855**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD	0.873 U	**279.606**	**91.66**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	0.828 U	**23.78**	0.409 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDD	0.752 U	**47.739**	**15.188**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF	0.477 U	**34.058**	10.442 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	0.589 U	**157.493**	31.597 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	0.481 U	**17.961**	0.572 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	0.705 U	2.638 U	**0.888**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	0.601 U	**5.301**	**1.704**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OCDD	**63.682**	**361665**	**253023**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OCDF	**5.163**	**44596**	**43272**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TEQ	**0.146**	**986**	**594**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry Parameters (%)																	
Total Organic Carbon	**3.00**	**3.42**	**5.72**	**1.29**	**2.70**	**0.21**	**2.70**	**2.83**	**11.5**	**5.04**	**3.11**	**7.19**	**2.99**	**3.00**	**1.77**	**2.67**	**1.58**

Key at the end of the table.

Table 7-8 (CONTINUED)

STORMWATER DITCH SEDIMENT SAMPLES
VOLATILE ORGANIC COMPOUND, PESTICIDE/PCB, AND DIOXIN/FURAN
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99244540	99244532	99244533	99244534	99244535	99234432	99234433	99234434	99234435	99244544	99244545	99244538	99244539	99244542	99244543	99244751	99244546
CLP Organic Number	JP457	JP449	JP450	JP451	JP452	JP285	JP286	JP287	JP288	JP351	JP352	JP455	JP456	JP349	JP350	JP357	JP353
CLP Inorganic Number	MJAG91	MJQ739	MJQ740	MJQ741	MJAG86	MJQ716	MJQ717	MJQ718	MJQ719	MJQ805	MJQ806	MJAG89	MJAG90	MJQ803	MJQ804	MJQ787	MJQ807
Location ID Number	SD-04-SD	SRD-04-SD	SRD-05-SD	SRD-06-SD	SRD-07-SD	VHD-01-SD	VHD-02-SD	VHD-03-SD	VHD-04-SD	MSD-01-SD	MSD-02-SD	SMD-01-SD	SMD-02-SD	SMD-03-SD	SMD-04-SD	PPD-01-SD	EPD-01-SD
	BACKGROUND							OILY							OILY	OILY	OILY
VOCs (µg/kg)																	
2-Butanone	18 UJK (180 U AC)	15 UJK	19 UJK	17 UJK	14 UJK	**17 JQK**	12 U	24 U	12 U	15 UJK	19 UJK	23 UJK	15 UJK	50 UJK	36 UJK	14 UJK	16 UJK
Acetone	18 UJK (180 U AC)	15 UJK	**640 JH (64 AC)**	17 UJK	14 UJK	**46**	12 U	24 U	12 U	15 UJK	19 UJK	23 UJK	15 UJK	50 UJK	**220 JK (22 AC)**	14 UJK	16 UJK
Carbon disulfide	18 U	15 U	19 U	17 U	14 U	26 U	12 U	24 U	12 U	15 UJK	19 U	23 U	15 U	**31 JQK**	36 UJK	14 U	16 U
Methylene chloride	18 U	15 U	19 U	38 U	38 U	26 U	12 U	24 U	12 U	**9 JQK**	**9 JQK**	23 UJK	15 U	50 UJK	36 UJK	14 U	**13 JQK**
Toluene	18 U	15 U	**21 JQK**	17 U	14 U	26 U	12 U	24 U	12 U	15 UJK	19 U	23 UJK	15 U	**48 JQK**	**16 JQK**	14 U	**16 JQK**
Pesticide/PCBs (µg/kg)																	
4,4'-DDD	58 U	51 U	63 UJK	56 U	44 U	8.5 U	4.1 U	8.0 U	3.9 U	4.8 U	6.2 U	74 U	47 U	160 U	110 U	4.4 U	52 U
4,4'-DDE	58 U	51 U	63 UJK	56 U	44 U	8.5 U	4.1 U	8.0 U	3.9 U	4.8 U	6.2 U	74 U	47 U	160 U	110 U	4.4 U	52 U
4,4'-DDT	58 UJK (740 AC)	51 UJK	63 UJK	56 UJK	44 UJK	8.5 U	4.1	8.0 U	3.9 U	4.8 UJK	6.2 UJK	74 UJK	47 UJK	160 UJK	110 UJK	4.4 U	52 UJK
Aldrin	30 U	26 U	32 UJK	29 U	22 U	4.4 U	2.1 U	4.1 U	2.0 U	2.5 U	**3.6 JNK**	38 U	24 U	80 U	58 U	2.3 U	**8.7 JQK**
Beta-BHC	30 U	26 U	**76 JNK**	29 U	22 U	4.4 U	2.1 U	4.1 U	2.0 U	2.5 U	3.2 U	38 U	24 U	80 U	58 U	2.3 U	27 U
Endosulfan Sulfate	58 U	51 U	63 UJK	56 U	44 U	8.5 U	4.1 U	8.0 U	3.9 U	4.8 U	6.2 U	74 U	47 U	160 U	110 U	4.4 U	52 U
Heptachlor	30 U	26 U	32 UJK	29 U	22 U	4.4 U	2.1 U	4.1 U	2.0 U	2.5 U	3.2 U	38 U	24 U	80 U	58 U	2.3 U	27 U
Methoxychlor	300 UJK (3000 U AC)	260 UJK	320 UJK	290 UJK	220 UJK	44 U	21 U	41 U	20 U	25 UJK	32 UJK	380 UJK	240 UJK	800 UJK	580 UJK	23 U	270 UJK
Dioxin/Furans (ng/kg)																	
1,2,3,4,6,7,8-HpCDD	**7.696**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**40955.35**
1,2,3,4,6,7,8-HpCDF	0.562 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1542.493**
1,2,3,4,7,8,9-HpCDF	0.794 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**56.324**
1,2,3,4,7,8-HxCDD	0.921 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.705 U
1,2,3,4,7,8-HxCDF	0.648 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**61.847 JH (6.18 AC)**
1,2,3,6,7,8-HxCDD	0.784 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**549.087 JH (54.91 AC)**
1,2,3,7,8,9-HxCDD	0.873 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**301.544 JH (30.15 AC)**
1,2,3,7,8,9-HxCDF	0.828 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46.92 U
1,2,3,7,8-PeCDD	0.752 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**208.792**
1,2,3,7,8-PeCDF	0.477 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**85.648**
2,3,4,6,7,8-HxCDF	0.589 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.655 U
2,3,4,7,8-PeCDF	0.481 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	R
2,3,7,8-TCDD	0.705 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12.138**
2,3,7,8-TCDF	0.601 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**39.049**
OCDD	**63.682**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**282640.7**
OCDF	**5.163**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14611.16**
TEQ	**0.146**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**939**
General Chemistry Parameters (%)																	
Total Organic Carbon	**3.00**	**1.88**	**4.41**	**3.85**	**3.11**	**5.17**	**1.25**	**4.66**	**3.15**	**3.90**	**6.52**	**4.83**	**1.53**	**37.80**	**16.50**	**3.28**	**8.61**

Key at the end of the table.

Table 7-8 (CONTINUED)

STORMWATER DITCH SEDIMENT SAMPLES
VOLATILE ORGANIC COMPOUND, PESTICIDE/PCB, AND DIOXIN/FURAN
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99244540	99244548	99244549	99244750	99244752	99234421	99244536	99244537	99244541	99234285	99234286	99234287
CLP Organic Number	JP457	JP354	JP355	JP356	JP247	JP274	JP453	JP454	JP348	JP376	JP377	JP377
CLP Inorganic Number	MJAG91	MJQ784	MJQ785	MJQ786	MJQ788	MJQ705	MJAG87	MJAG88	MJQ802	MJQ645	MJQ646	MJQ647
Location ID Number	SD-04-SD	EPD-02-SD	EPD-03-SD	EPD-04-SD	WL-01-SD	ED-01-SD	ED-02-SD	ED-03-SD	ED-04-SD	SD-01-SD	SD-02-SD	SD-03-SD
	BACKGROUND	OILY		OILY								
VOCs (µg/kg)												
2-Butanone	18 UJK (180 U AC)	15 UJK	11 UJK	27 UJK	24 U	14 U	22 UJK	23 UJK	16 UJK	10 U	24 UJK	**23 JQK**
Acetone	18 UJK (180 U AC)	**180 JL**	11 UJK	27 UJK	24 U	14 U	22 UJK	23 UJK	16 UJK	10 U	24 UJK	63 UJK
Carbon disulfide	18 U	15 U	11 U	27 U	24 U	14 U	22 U	23 U	16 U	10 U	24 U	38 U
Methylene chloride	18 U	**8 JQK**	11 U	27 U	24 U	14 U	22 U	72 U	16 U	10 U	24 U	38 U
Toluene	18 U	15 U	11 U	27 U	24 U	14 U	22 UJK	23 UJK	**4 JQK**	10 U	**32**	**50**
Pesticide/PCBs (µg/kg)												
4,4'-DDD	58 U	20 UJK	2.8 U	8.6 U	78 U	4.8 U	67 U	74 U	52 U	**0.45 JQK**	8.0 U	13 U
4,4'-DDE	58 U	4.9 UJK	3.6 U	8.6 U	78 U	4.8 U	67 U	74 U	52 U	3.4 U	8.0 U	13 U
4,4'-DDT	58 UJK (740 AC)	4.9 UJK	**9.3 JQK**	**9.3 JNK**	78 U	4.8 U	67 UJK	74 UJK	52 UJK	**1.5 JQK**	8.0 U	13 U
Aldrin	30 U	**3.1 JNK**	1.8 U	4.4 U	40 U	2.5 U	34 U	38 U	27 U	1.8 U	4.1 U	6.5 U
Beta-BHC	30 U	**11 JNK**	1.8 U	4.4 U	40 U	2.5 U	34 U	38 U	27 U	1.8 U	4.1 U	6.5 U
Endosulfan Sulfate	58 U	**25 JNK**	**5.6 JNK**	**8.7 JNK**	78 U	4.8 U	67 U	74 U	52 U	3.4 U	8.0 U	13 U
Heptachlor	30 U	**3.3 JNK**	1.8 U	4.4 U	40 U	2.5 U	34 U	38 U	27 U	1.8 U	4.2 U	6.5 U
Methoxychlor	300 UJK (3000 U AC)	**33 JNK**	25 UJK	44 UJK	400 U	25 U	340 UJK	380 UJK	270 UJK	18 U	41 U	65 U
Dioxin/Furans (ng/kg)												
1,2,3,4,6,7,8-HpCDD	**7.696**	NA	NA	NA	**132.973 JL**	NA	NA	**284.002**	NA	**23.712**	**29.057**	NA
1,2,3,4,6,7,8-HpCDF	0.562 U	NA	NA	NA	**13.465 JL**	NA	NA	**27.007**	NA	**3.71**	**3.026**	NA
1,2,3,4,7,8,9-HpCDF	0.794 U	NA	NA	NA	3.534 UJL	NA	NA	1.922 U	NA	1.245 U	1.48 U	NA
1,2,3,4,7,8-HxCDD	0.921 U	NA	NA	NA	1.595 UJL	NA	NA	**7.503**	NA	0.63 U	0.742 U	NA
1,2,3,4,7,8-HxCDF	0.648 U	NA	NA	NA	R	NA	NA	11.506 U	NA	**1.556 JK (0.16 AC)**	**2.303 JK (0.23 AC)**	NA
1,2,3,6,7,8-HxCDD	0.784 U	NA	NA	NA	**5.075 JK (0.5075 AC)**	NA	NA	**20.649**	NA	**2.567**	0.631 U	NA
1,2,3,7,8,9-HxCDD	0.873 U	NA	NA	NA	1.231 UJL	NA	NA	**17.133**	NA	0.597 U	0.704 U	NA
1,2,3,7,8,9-HxCDF	0.828 U	NA	NA	NA	2.133 UJL	NA	NA	1.002 U	NA	0.435 U	0.827 U	NA
1,2,3,7,8-PeCDD	0.752 U	NA	NA	NA	0.84 UJL	NA	NA	2.914 U	NA	0.486 U	0.703 U	NA
1,2,3,7,8-PeCDF	0.477 U	NA	NA	NA	0.561 UJL	NA	NA	0.909 U	NA	0.293 U	0.481 U	NA
2,3,4,6,7,8-HxCDF	0.589 U	NA	NA	NA	1.576 UJL	NA	NA	1.41 U	NA	0.309 U	0.588 U	NA
2,3,4,7,8-PeCDF	0.481 U	NA	NA	NA	0.567 UJL	NA	NA	0.919 U	NA	0.296 U	0.486 U	NA
2,3,7,8-TCDD	0.705 U	NA	NA	NA	0.68 UJL	NA	NA	1.006 U	NA	0.223 U	0.441 U	NA
2,3,7,8-TCDF	0.601 U	NA	NA	NA	0.559 UJL	NA	NA	1.065 U	NA	0.359 U	0.449 U	NA
OCDD	**63.682**	NA	NA	NA	**1455.155 JL**	NA	NA	**1670.101**	NA	**195.1**	**238.68**	NA
OCDF	**5.163**	NA	NA	NA	86.767 UJL	NA	NA	**74.944**	NA	9.124	**11.658**	NA
TEQ	**0.146**	NA	NA	NA	**3.52**	NA	NA	**9.37**	NA	**0.891**	**0.802**	NA
General Chemistry Parameters (%)												
Total Organic Carbon	**3.00**	**23.0**	**5.80**	**7.91**	**3.15**	**2.40**	**3.76**	**10.00**	**7.22**	**0.79**	**23.4**	**7.69**

Key at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
CD = Center ditch.
CLP = Contract Laboratory Program.
ED = East ditch.
EPA = United States Environmental Protection Agency.
EPD = End painting ditch.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
MD = Main ditch.
µg/kg = Micrograms per kilogram.
MSD = Maintenance shop ditch.
N = Tentatively identified compound.
NA = Not analyzed.
ND = North ditch.
ng/kg = Nanograms per kilogram.
NRD = North railroad ditch.
PAD = Ponded area ditch.
PPD = Power plant ditch.
Q = Analyte was dectected below the adjusted Contract Required Quantitation Limit.
R = Rejected.
-SD = Sediment sample.
SD- = Sheridan Forest Products ditch.
SMD = Sawmill maintenance ditch.
SRD = South railroad ditch.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VHD = Valley Highway ditch.
WD = West ditch.
WL = Wetland.

Table 7-9

STORMWATER DITCH SURFACE WATER SAMPLES
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99234430**	**99234284**	**99234288**
CLP Inorganic Number	**MJQ714**	**JP375**	**JP379**
CLP Organic Number	**JP283**	**MJQ644**	**MJQ648**
Sample ID Location	**RC-03-SW**	**SD-01-SW**	**SD-03-SW**
	BACKGROUND		
SVOCs (µg/L)			
No compounds were detected.			
Inorganics (µg/L)			
Aluminum	**296**	**359**	**1070**
Arsenic	4.2 U	**7.7 JBK**	**10.6**
Barium	**18.9 JBK (200 U)**	**31.4 JBK**	**86.6 JBK**
Calcium	**11600 JH**	**40600 JH**	**68600 JH**
Chromium	0.70 U	0.70 U	**0.86 JBK**
Cobalt	2.2 U	2.2 U	**10.9 JBK**
Copper	**4.0 JBK (25 U)**	**3.9 JBK**	**7.8 JBK**
Iron	**669**	**2150**	**5460**
Lead	1.9 U	**3.7**	**4.0**
Magnesium	**3820 JBK**	**12400**	**19900**
Manganese	**20.7**	**329**	**3810**
Mercury	**0.24**	**5.6**	0.10 U
Nickel	1.9 U	**2.3 JBK**	**2.4 JBK**
Potassium	**707 JBK**	**3950 JBK**	**1700 JBK**
Selenium	3.0 U	**3.3 JBK**	3.0 U
Sodium	**7640**	**33700**	**70200**
Vanadium	**2.3 JBK (50 U)**	**2.7 JBK**	**7.0 JBK**
Zinc	**3.6 JBL (20 U)**	**10.5 JBK**	**17.0 JBK**
VOCs (µg/L)			
No compounds were detected.			
Pesticide/PCBs (µg/L)			
No compounds were detected.			
Dioxin/Furans (pg/L)			
OCDD	15.209 U	NA	**15.757**
TEQ	0	NA	**0.01576**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/L = Micrograms per liter.
NA = Not analyzed.
pg/L = Picograms per liter.
PCBs = Polychlorinated biphenyl compounds.
RC = Rock Creek.
SD = Sheridan Forest Products ditch.
SVOCs = Semivolatile organic compounds.
SW = Surface water sample.
TEQ = Total equivalence quotient.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
VOCs = Volatile organic compounds.

Table 7-10

ROCK CREEK DITCH SEDIMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99244540**	**99234402**	**99234404**	**99234405**	**99234406**	**99234407**	**99234408**	**99234409**	**99234410**	**99234411**	**99234412**	**99234413**
CLP Inorganic Number	**MJAG91**	**MJQ768**	**MJQ770**	**MJQ771**	**MJQ772**	**MJQ773**	**MJQ774**	**MJQ775**	**MJQ776**	**MJQ777**	**MJQ778**	**MJQ779**
CLP Organic Number	**JP457**	**JP332**	**JP334**	**JP335**	**JP335**	**JP337**	**JP338**	**JP339**	**JP340**	**JP341**	**JP342**	**JP343**
Location ID Number	**SD-04-SD**	**RCD-01-SD**	**RCD-02-SD**	**RCD-03-SD**	**RCD-04-SD**	**RCD-05-SD**	**RCD-06-SD**	**RCD-07-SD**	**RCD-08-SD**	**RCD-09-SD**	**RCD-10-SD**	**RCD-11-SD**
Description	**BACKGROUND**			**OILY**	**OILY**					**OILY**	**SHEEN**	
SVOCs (µg/kg)												
2-Methylnaphthalene	100 U	1000 U	100 U	200 U	200 U	200 U	100 U	100 U	200 U	**100 JQK**	200 U	200 U
3- and 4-Methylphenol Coelution	200 U	2000 U	200 U	400 U	400 U	400 U	200 U	200 U	400 U	**1700**	400 U	400 U
Acenaphthene	100 U	**1000**	100 U	200 U	200 U	200 U	100 U	100 U	200 U	**1100**	200 U	200 U
Acenaphthylene	100 U	1000 U	100 U	**60 JQK**	**100 JQK**	**80 JQK**	**50 JQK**	100 U	200 U	**100 JQK**	200 U	200 U
Anthracene	100 U	**600 JQK**	**100**	**600**	**400**	**400**	**200**	**100**	**100 JQK**	**2500**	200 U	200 U
Benzo(a)anthracene	100 U	**700 JQK**	**90 JQK**	**500**	**400**	**400**	**300**	**200**	**300**	**12000**	200 U	200 U
Benzo(a)pyrene	100 U	**90 JQK**	**100**	**400**	**600**	**1800**	**400**	**100**	**200 JQK**	**400**	200 U	200 U
Benzo(b)fluoranthene	100 U	**1000**	**300**	**800**	**1600**	**2400**	**1000**	**400**	**400**	**13000**	200 U	200 U
Benzo(k)fluoranthene	100 U	**600 JQK**	**200**	**600**	**700**	**1200**	**500**	**200**	**300**	**8000**	200 U	200 U
Bis(2-chloroethyl)ether	200 U	2000 U	200 U	400 U	400 U	**200**	200 U	200 U	400 U	400 U	400 U	400 U
Bis(2-ethylhexyl)phthalate	200 U	**100 JQK**	200 U	400 U	400 U	400 U	200 U	200 U	2300 U	400 U	400 U	**100 JQK**
Chrysene	100 U	**1000**	**200**	**800**	**800**	**1100**	**600**	300 U	**500**	**19000**	200 U	200 U
Dibenzofuran	200 U	**2000**	200 U	400 U	400 U	400 U	200 U	200 U	400 U	**900**	400 U	400 U
Di-n-octylphthalate	300 U	3000 U	300 U	600 U	600 U	600 U	300 U	300 U	**90 JQK**	600 U	600 U	600 U
Fluoranthene	100 U	**2000**	**200**	**700**	**500**	**700**	**600**	**200**	**500**	**22000**	200 U	200 U
Fluorene	100 U	**1000**	100 U	200 U	200 U	200 U	100 U	100 U	200 U	**2000**	200 U	200 U
Indeno(1,2,3-cd)pyrene	100 U	**700 JQK**	**200**	**500**	**900**	**800**	**300**	**80 JQK**	**90 JQK**	**1400**	200 U	200 U
Naphthalene	100 U	1000 U	100 U	200 U	200 U	200 U	100 U	100 U	200 U	**70 JQK**	200 U	200 U
Pentachlorophenol	500 U	**3000 JQK**	**1000**	**2000**	**3000**	**4000**	**1700**	**900**	**90 JQK**	**200**	1000 U	1000 U
Phenanthrene	100 U	**300 JQK**	100 U	**200 JQK**	**100 JQK**	**200 JQK**	**100**	**90 JQK**	**200**	**13000**	200 U	200 U
Pyrene	100 U	**2000**	**200**	**700**	**600**	**1000**	**600**	**200**	**400**	**17000**	200 U	200 U

Note: Only compounds detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
µg/kg = Micrograms per kilogram.
ND = North ditch.
Q = Analyte detected below the adjusted Contract Required Quantitation Limit.
SD- = Sheridan Forest Products ditch.
-SD = Sediment sample.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.

Table 7-11

ROCK CREEK DITCH SEDIMENT SAMPLES
INORGANIC AND VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99244540	99234402	99234404	99234405	99234406	99234407	99234408	99234409	99234410	99234411	99234412	99234413
CLP Inorganic Number	MJAG91	MJQ768	MJQ770	MJQ771	MJQ772	MJQ773	MJQ774	MJQ775	MJQ776	MJQ777	MJQ778	MJQ779
CLP Organic Number	JP457	JP332	JP334	JP335	JP335	JP337	JP338	JP339	JP340	JP341	JP342	JP343
Location ID Number	SD-04-SD	RCD-01-SD	RCD-02-SD	RCD-03-SD	RCD-04-SD	RCD-05-SD	RCD-06-SD	RCD-07-SD	RCD-08-SD	RCD-09-SD	RCD-10-SD	RCD-11-SD
Description	BACKGROUND			OILY	OILY					OILY	SHEEN	
Inorganics (mg/kg)												
Aluminum	**33400**	**27100**	**28600**	**14900**	**44800**	**33500**	**33800**	**17100**	**16600**	**29900**	**27000**	**21900**
Antimony	R	19.6 U	18.1 U	23.9 UJK	40.5 UJK	19.2 UJK	19.2 UJK	32 UJK	21.5 UJK	48.5 UJK	25.7 UJK	24.4 UJK
Arsenic	**8.5**	**34.0**	**11.0**	**445**	**437**	**58.9**	**130**	**87.7**	**57.0**	**22.0**	**22.7**	**15.3**
Barium	**224**	**184**	**293**	**113**	**185**	**74.4**	**129**	**143**	**164**	**215**	**214**	**252**
Beryllium	**0.95 JBK (1.70 U)**	**0.78 JBK**	**0.67 JBK**	0.33 U	0.68 U	0.34 U	0.66 U	0.42 U	0.59 U	0.69 U	0.9 U	0.76 U
Calcium	**6650**	**9770**	**6100**	**5120**	**163300**	**1300**	**8120**	**5010**	**6260**	**8450**	**52330**	**8060**
Chromium	**36.6**	**65.8 JH (51 AC)**	**51.0 JH (40 AC)**	**29.4**	**64**	**61.6**	**58.7**	**29.6**	**31.0**	**45.4**	**46.3**	**33.1**
Cobalt	**52.6**	**18.5**	**23.5**	**16.3 JBH**	**33.5 JBH**	**35.6 JH (28 AC)**	**23.4 JH (19 AC)**	**20 JBH**	**35.0 JH (28 AC)**	**34.9 JBH**	**33.0 JH (26 AC)**	**42.7 JH (34 AC)**
Copper	**61.9**	**84.0 JK (69 AC)**	**69.5 JK (60 AC)**	**211 JL**	**1700 JL**	**219 JL**	**236 JL**	**261 JL**	**67.3 JL**	**93.1 JL**	**55.3 JL**	**87.1 JL**
Iron	**54200**	**41000**	**57900**	**31800**	**74200**	**63100**	**67200**	**33200**	**42100**	**533300**	**42800**	**50600**
Lead	**11.7 JK (17 AC)**	**18.7 JH (13 AC)**	**12.3 JH (8 AC)**	**17.4 JL**	**32.3 JL**	**5.2 JL**	**11.1 JL**	**18.8 JL**	**25.6 JL**	**37.6 JL**	**23.7 JL**	**29.5 JL**
Magnesium	**6150**	**9240**	**8530**	**4680**	**20300**	**38100**	**9610**	**5770**	**5760**	**9120**	**6080**	**6520**
Manganese	**2380**	**456**	**824**	**660 JK (530 AC)**	**915 JK (740 AC)**	**825 JK (660 AC)**	**863 JK (700 AC)**	**854 JK (690 AC)**	**1280 JK (1000 AC)**	**1470 JK (1200 AC)**	**655 JK (530 AC)**	**3420 JK (2700 AC)**
Mercury	0.09 U	**0.10 JBK**	0.08 U	0.28 U	0.42 U	0.20 U	0.20 U	0.14 U	0.14 U	0.22 U	0.14 U	0.14 U
Nickel	**29.6**	**48.0**	**40.8**	**21.1**	**58.7**	**152**	**35.6**	**18.6 JBK**	**19.8**	**24.0 JBL**	**24.1**	**40.2**
Potassium	**1230 JBK**	**1400 JBK**	**780 JBL**	354 UJK	601 UJK	285 UJK	**523 JBL**	475 UJK	319 UJK	**1340 JBL**	**870 JBL**	362 UJK
Seleniuim	**1.5 JBL (1.70 U)**	1.6 UJK	0.22 UJK	**0.29 JBL**	0.48 UJK	0.23 UJK	0.23 UJK	**0.88 JBK**	**0.46 JBL**	0.58 U	0.31 U	0.29 UJK
Silver	**2.7 JBK (3.39 U)**	R	R	1.8 U	3.1 U	1.5 U	1.5 U	2.5 U	1.6 U	3.7 U	2.0 UJK	1.9 U
Sodium	**7620**	**566 JBK**	**400 JBK**	**811 JBK**	**8070**	**7330**	**2450**	**2130 JBK**	**3020**	**5260**	**718 JBK**	**2140**
Vanadium	**121**	**91.0 JH (68 AC)**	**153 JH (110 AC)**	**79.8**	**218**	**144**	**195**	**85.1**	**132**	**145**	**129**	**116**
Zinc	**270 JL (400 AC)**	**300**	**100**	**203**	**594**	**213**	**220**	**189**	**123**	**223**	**116**	**141**
VOCs (µg/kg)												
2-Butanone	18 UJK (180 U AC)	**3 JQK**	14 U	16 U	28 U	15 UJL	17 U	21 U	21 U	37 U	20 U	22 UJK
Acetone	18 UJK (180 U AC)	17 U	14 U	16 U	28 U	15 UJL	17 U	**20 JQK**	21 U	37 U	20 U	22 UJK
Toluene	18 U	17 U	14 U	16 U	28 U	15 UJL	17 U	21 U	21 U	37 U	20 U	22 U

Key at the end of the table.

Note: Only compounds detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC	= Adjusted concentration.
B	= Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
H	= High bias.
ID	= Identifcation.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
L	= Low bias.
ug/kg	= Micrograms per kilogram.
mg/kg	= Milligrams per kilogram.
ND	= North ditch.
Q	= Analyte detected below the adjusted Contract Required Quantitation Limit.
R	= Rejected.
SD-	= Sheridan Forest Products ditch.
-SD	= Sediment sample.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical value is the estimated sample quantitation limit.
VOCs	= Volatile organic compounds.

Table 7-12

ROCK CREEK DITCH SEDIMENT SAMPLES
PESTICIDE/PCB AND DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99244540	99234402	99234404	99234405	99234406	99234407	99234408	99234409	99234410	99234411	99234412	99234413
CLP Inorganic Number	MJAG91	MJO768	MJO770	MJO771	MJO772	MJO773	MJO774	MJO775	MJO776	MJO777	MJO778	MJO779
CLP Organic Number	JP457	JP332	JP334	JP335	JP335	JP337	JP338	JP339	JP340	JP341	JP342	JP343
Location ID Number	SD-04-SD	RCD-01-SD	RCD-02-SD	RCD-03-SD	RCD-04-SD	RCD-05-SD	RCD-06-SD	RCD-07-SD	RCD-08-SD	RCD-09-SD	RCD-10-SD	RCD-11-SD
Description	BACKGROUND			OILY	OILY					OILY	SHEEN	
Pesticides/PCBs (µg/kg)												
4,4'-DDD	58 U	28 U	4.8 U	5.3 U	9.4 U	5.0 U	5.6 U	7.0 U	7.0 U	12 U	6.6 U	6.1 U
4,4'-DDE	58 U	28 U	4.8 U	5.3 U	9.4 U	5.0 U	5.6 U	7.0 U	7.0 U	12 U	6.6 U	6.1 U
4,4'-DDT	58 UJK (740 U AC)	28 U	4.8 U	5.3 U	9.4 U	5.0 U	5.6 U	7.0 U	7.0 U	12 U	6.6 U	6.1 U
Beta-BHC	30 U	**30 JNK**	2.5 U	2.7 U	4.8 U	2.6 U	2.8 U	3.6 U	3.6 U	6.3 U	**7.3 JNK**	3.2 U
Dioxin/Furan (ng/kg)												
1,2,3,4,6,7,8-HpCDD	**7.696**	**135612.6**	**294.02**	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF	0.562 U	**3999.653**	**29.697**	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	0.794 U	**338.912**	3.929 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD	0.921 U	**135.868**	**1.821**	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF	0.648 U	**1241.42 JK (124.1 AC)**	14.125 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	0.784 U	**1910.792**	**9.421**	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	0.563 U	**172.468**	0.52 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD	0.873 U	**410.959**	**3.473**	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	0.828 U	**107.154**	0.808 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDD	0.752 U	**33.595**	0.432 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF	0.477 U	**55.759**	**0.683**	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	0.589 U	**251.613**	0.602 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	0.481 U	**70.456**	0.911 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
OCDD	**63.682**	**1186190**	**2418**	NA	NA	NA	NA	NA	NA	NA	NA	NA
OCDF	**5.163**	**13062.08**	**86.515**	NA	NA	NA	NA	NA	NA	NA	NA	NA
TEQ	**0.146**	**3080**	**7.25**	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry Parameters (%)												
Total Organic Carbon	**3.00**	**1.91**	**0.51**	**4.48**	**5.05**	**2.00**	**0.52**	**4.48**	**3.59**	**4.81**	**2.21**	**5.45**

Key at the end of the table.

Note: Only compounds detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
ID	= Identifcation.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
µg/kg	= Micrograms per kilogram.
N	= Tentatively identified compound.
ng/kg	= Nanograms per kilogram.
PCBs	= Polychlorinated biphenyls.
Q	= Analyte detected below the adjusted Contract Required Quantitation Limit.
SD-	= Sheridan Forest Products ditch.
-SD	= Sediment sample.
TEQ	= Total equivalence quotient.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical value is the estimated sample quantitation limit.

Table 7-13

ROCK CREEK DITCH
SURFACE WATER SAMPLES
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99234430**	**99234401**	**99234403**
CLP Inorganic Number	**MJQ714**	**JP331**	**JP333**
CLP Organic Number	**JP283**	**MJQ767**	**MJQ769**
Sample ID Location	**RC-03-SW**	**RCD-01-SW**	**RCD-02-SW**
	BACKGROUND		
SVOCs (µg/L)			
Bis(2-ethylhexyl)phthalate	10 U	**370**	**10 JK (100 AC)**
Inorganics (µg/L)			
Aluminum	**296**	**79.2 JBK**	**611**
Arsenic	4.2 U	**11.6**	**11.1**
Barium	**18.9 JBK (200 U)**	**22.6 JBK**	**25.6 JBK**
Calcium	**11600 JH**	**35300 JH**	**32000**
Chromium	0.70 U	0.70 U	**1.1 JBK**
Copper	**4.0 JBK (25 U)**	**7.6 JBK**	**13.2 JBK**
Iron	**669**	**255**	**1180**
Lead	1.9 U	**2.8 JBK**	**3.7**
Magnesium	**3820 JBK**	**12200**	**12500**
Manganese	**20.7**	**49.8**	**189**
Mercury	**0.24**	**0.12 JBK**	**0.42**
Nickel	1.9 U	**1.9 JBK**	**2.4 JBK**
Potassium	**707 JBK**	**447 JBK**	**437 JBK**
Sodium	**7640**	**34100**	**34600**
Vanadium	**2.3 JBK (50 U)**	**1.5 U**	**2.6 JBK**
Zinc	**3.6 JBL (20 U)**	**8.6 JBK**	**24.9**
VOCs/Pesticides/PCBs (µg/L)			
No compounds were detected.			
Dioxin/Furans (pg/L)			
1,2,3,4,6,7,8-HpCDD	4.555 U	**1160.087**	**622.738**
1,2,3,4,6,7,8-HpCDF	2.13 U	**157.208**	**81.971**
1,2,3,4,7,8-HxCDD	2.32 U	**9.681**	6.016 U
1,2,3,4,7,8-HxCDF	1.661 U	R	3.559 U
1,2,3,6,7,8-HxCDD	2.172 U	**45.9**	18.886 U
1,2,3,7,8,9-HxCDD	2.125 U	**20.55**	12.545 U
OCDD	15.209 U	**9364.813**	**4872.885**
OCDF	6.305 U	**741.307**	**424.153**
TEQ	0	**30.89**	**12.3**

Key is at the end of the table.

Note: Only compounds detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/L = Micrograms per liter.
PCBs = Polychlorinated biphenyls.
pg/L = Picograms per liter.
RCD = Rock Creek Road ditch.
SVOCs = Semivolatile organic compounds.
SW = Surface water sample.
U = The material was analyzed for but was not detected. The associated numerical value is The sample quantitation limit.
VOCs = Volatile organic compounds.

Table 7-14

SOUTH YAMHILL RIVER AND ROCK CREEK SEDIMENT SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99234428**	**99224226**	**99224219**	**99224221**	**99224222**	**99224224**	**99234428**	**99224227**	**99224229**	**99224562**	**99234281**	**99234283**	**99234299**	**99234278**	**99234280**	**99234422**	**99234424**	**99234431**	**99234426**	**99234429**
CLP Inorganic Number	**MJQ712**	**MJQ635**	**MJQ628**	**MJQ630**	**MJQ631**	**MJQ633**	**MJQ712**	**MJQ636**	**MJQ638**	**MJQ640**	**MJQ641**	**MJQ643**	**MJQ704**	**MJQ764**	**MJQ766**	**MJQ706**	**MJQ708**	**MJQ715**	**MJQ710**	**MJQ713**
CLP Organic Number	**JP281**	**JP366**	**JP269**	**JP271**	**JP362**	**JP364**	**JP281**	**JP367**	**JP369**	**JP371**	**JP372**	**JP374**	**JP273**	**JP328**	**JP330**	**JP275**	**JP277**	**JP284**	**JP279**	**JP282**
Location ID Number	**YR-17-SD**	**YR-05-SD**	**YR-01-SD**	**YR-02-SD**	**YR-03-SD**	**YR-04-SD**	**YR-17-SD**	**YR-06-SD**	**YR-07-SD**	**YR-08-SD**	**YR-09-SD**	**YR-10-SD**	**YR-12-SD**	**YR-13-SD**	**YR-14-SD**	**YR-15-SD**	**YR-16-SD**	**RC-03-SD**	**RC-01-SD**	**RC-02-SD**
	BACKGROUND						**BACKGROUND**											**BACKGROUND**		
SVOCs (µg/kg)																				
Acenaphthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**200**	100 U	100 U	100 U	100 U	100 U
Benzo(a)anthracene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**80 JQK**	100 U	100 U	100 U	100 U	100 U
Benzo(a)pyrene	100 U	100 U	100 U	100 UJK	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**100**	100 U	100 U	100 U	100 U	100 U
Benzo(b)fluoranthene	100 U	100 U	100 U	100 UJK	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**200**	100 U	100 U	100 U	100 U	100 U
Benzo(k)fluoranthene	100 U	100 U	100 U	100 UJK	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**70 JQK**	100 U	100 U	100 U	100 U	100 U
Benzoic Acid	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	**700**	500 U	500 U
Chrysene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**100**	100 U	100 U	100 U	100 U	100 U
Dibenzofuran	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	200 U	**100 JQK**	200 U	200 U	200 U	200 U	200 U
Fluoranthene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**200**	100 U	100 U	100 U	100 U	100 U
Fluorene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**100**	100 U	100 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	100 U	100 U	100 U	100 UJK	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**80 JQK**	100 U	100 U	100 U	100 U	100 U
Pentachlorophenol	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	500 U	**100 JQK**	500 U	500 U	500 U	500 U	500 U
Phenanthrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**100**	100 U	100 U	100 U	100 U	100 U
Pyrene	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	**70 JQK**	**200**	100 U	**70 JQK**	100 U	100 U	100 U

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates results are elevated as defined in Section 5.

Key:

CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
µg/kg = Micrograms per kilogram.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
RC = Rock Creek.
SD = Sediment sample.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
YR = Yamhill River.

Table 7-15

SOUTH YAMHILL RIVER AND ROCK CREEK SEDIMENT SAMPLES
INORGANIC AND VOLATILE ORGANIC ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99234428	99224226	99224219	99224221	99224222	99224224	99234428	99224227	99224229	99224562	99234281	99234283	99234299	99234278	99234280	99234422	99234424	99234431	99234426	99234429
CLP Inorganic Number	MJQ712	MJQ635	MJQ628	MJQ630	MJQ631	MJQ633	MJQ712	MJQ636	MJQ638	MJQ640	MJQ641	MJQ643	MJQ704	MJQ764	MJQ766	MJQ706	MJQ708	MJQ715	MJQ710	MJQ713
CLP Organic Number	JP281	JP366	JP269	JP271	JP362	JP364	JP281	JP367	JP369	JP371	JP372	JP374	JP273	JP328	JP330	JP275	JP277	JP284	JP279	JP282
Location ID Number	YR-17-SD	YR-05-SD	YR-01-SD	YR-02-SD	YR-03-SD	YR-04-SD	YR-17-SD	YR-06-SD	YR-07-SD	YR-08-SD	YR-09-SD	YR-10-SD	YR-12-SD	YR-13-SD	YR-14-SD	YR-15-SD	YR-16-SD	RC-03-SD	RC-01-SD	RC-02-SD
	BACKGROUND						BACKGROUND											BACKGROUND		
Inorganics (mg/kg)																				
Aluminum	31200	25600	24600	33900	33200	29100	31200	16300	29100	35100	37600	24200	24900	29400	19400	20100	26600	30500	26100	41800
Antimony	18.0 U	17.5 UJK (8 U AC)	23.0 UJK	20.3 UJK	16 UJK	17.5 UJK	18.0 U	17.0 UJK	25.3 JL	18.5 UJK	R	R	14.4 U	20.0 U	15.6 U	20.5 U	18.9 U	20.3 UJK (40 U AC)	16.3 U	19.6 UJK
Arsenic	8.5	7.3 JH	6.1 JH (4 AC)	5.9 JH (3 AC)	6.7 JH (4 AC)	5.9 JH (3 AC)	8.5	14 JH (8 AC)	6.2	6.3 JH (4 AC)	5.4	5.5	3.1	8.2	60.0	5.4	20.9	18.2	4.2	108
Barium	199	206	180	199	242	180	199	206	196	213	210	170	166	233	136	161	285	244	210	286
Beryllium	0.49 JBK (1.5 U)	0.75 U	0.73 U	0.77 U	0.77 U	0.56 U	0.49 JBK (1.5 U)	0.86 JBK	0.82 U	0.60 U	0.83 U	0.60 U	0.75 JBK	0.68 JBK	0.53 U	0.54 U	1.1 JBK	1.1 U	0.67 JBK	1.1 U
Cadmium	1.1 U	1.0 U	1.5 JBK	1.2 U	0.95 U	1.0 U	1.1 U	1.0 U	1.1 JBK	1.1 U	1.1 U	0.90 U	0.86 U	1.2 U	0.93 U	1.2 U	1.1 U	1.2 U	0.97 U	1.2 U
Calcium	7050	6660	7180	7870	8160	7600	7050	6000	7760	7820	7890	6020	7840	7300	6440	5390	7790	6800	6410	9380
Chromium	45.0 JH	44.1	47.0	53.8	56.6	45.8	45.0 JH	36.3	47.8	55.1	58.1	39.0	35.6 JH (28 AC)	46.6 JH (36 AC)	24.9 JH (19 AC)	34.2 JH (26 AC)	53.8 JH (42 AC)	64.7	39.0 JH (30 AC)	87.7
Cobalt	21.8	37.8	26.6	29.8	36.9	30.1	21.8	61.2	30.6	32.2	31.4	26.2	24.5	32.1	19.8	20.7	54.4	67.5 JH	24.5	71.2 JH (57 AC)
Copper	64.0 JK (78 AC)	52.8 JL (67.6 AC)	68.1 JL	70.3 JL	82.0 JL	75.7 JL	64.0 JK (78 AC)	47.0 JL	85.3	74.1 JL	75.3	56.8	83.4 JK (68 AC)	67.0 JK (55 AC)	100 JK (82 AC)	50.6 JK (41 AC)	67.3 JK (55 AC)	56.2 JL (58 AC)	66.2 JK (54 AC)	63.9 JL
Iron	60500	50200	49500	61300	71200	61700	60500	50400	63400	66900	67800	49100	55900	64300	40200	44000	78300	81600	56900	92900
Lead	10.0 JH	11.3 JH	12.0 JH	11.8 JH (8 AC)	9.5 JH (6 AC)	14.8 JH (10 AC)	10.0 JH	17.0 JH (12 AC)	8.2 JH (6 AC)	12.7 JH (9 AC)	11.5 JH (8 AC)	11.1 JH (8 AC)	5.1 JH (4 AC)	12.9 JH (9 AC)	5.4 JH (4 AC)	14 JH (10 AC)	22.8 JH (16 AC)	19.5 JL (28 AC)	4.1 JH (3 AC)	16.5 JL
Magnesium	11300	8530	9960	11800	13300	11900	11300	6190	11900	12500	12700	9290	10500	12100	7710	7930	9670	9200	8050	13100
Manganese	774	1110 JH	627 JH (500 AC)	822 JH (660 AC)	926 JH (740 AC)	803 JH (650 AC)	774	2330 JH (1900 AC)	802	849 JH (680 AC)	875	911	666	990	626	682	1550	1740 JK (2200 AC)	801	1900 JK (1500 AC)
Mercury	0.08 U	0.09 JBK (0.15 U)	0.32	0.11 JBK	0.08 JBK	0.08 JBK	0.08 U	0.13 JBK	0.08 U	0.10 JBK	0.08 U	0.06 U	0.06 U	0.09 U	0.07 U	0.09 U	0.08 U	0.18 U	0.07 U	0.18 U
Nickel	34.3	43.7	40.6	46.7	43.0	46.8	34.3	38.4	41.8	47.5	53.1	33.0	32.3	38	46.6	26.9	33.8	41.2	34.3	53.5
Potassium	677 JBL	1040 JBK	1090 JBK	1520 JBK	1130 JBK	959 JBK	677 JBL	1150 JBK	1150 JBK	1060 JBK	1800	734 JBK	511 JBL	747 JBL	535 JBL	686 JBL	1030 JBK	1340 JBK	628 JBL	2020
Seleniuim	0.21 UJK (0.5 U AC)	0.41 UJK (1.0 U AC)	0.27 UJK	0.24 UJK	0.19 UJK	0.32 UJK	0.21 UJK (0.5 AC)	0.20 UJK	0.21 UJK	0.22 UJK	0.23 U	0.18 U	0.17 UJK	0.24 UJK	0.30 UJK	0.24 UJK	0.23 UJK	0.24 UJK (0.6 U AC)	0.19 UJK	0.36 JBL
Silver	R	1.3 U	1.8 U	1.6 U	1.2 U	1.3 U	R	1.3 U	1.4 UJK	1.4 U	1.5 UJK	1.2 UJK	R	R	R	R	R	1.6 U	R	1.5 U
Sodium	1300 JBK	506 JBK	968 JBK	1200 JBK	1500	1190 JBK	1300 JBK	355 JBK	1060 JBK	1210 JBK	1380 JBK	975 JBK	1370	1480 JBK	757 JBK	836 JBK	643 JBK	1150 JBK	803 JBK	1480 JBK
Thallium	0.31 UJK (0.5 U AC)	0.30 U	0.39 U	0.35 U	0.27 UJK	0.30 JL	0.31 UJK (0.5 AC)	0.34 JBL	0.30 U	0.32 JBL	0.33 U	0.26 U	0.25 UJK	0.34 UJK	0.44 JBL	0.35 UJK	0.32 UJK	0.51 JBL (1.7 U)	0.28 UJK	0.34 JBL
Vanadium	176 JH	129	132	167	165	162	176 JH	86.6	157	192	199	124	146 JH (110 AC)	164 JH (120 AC)	92.4 JH (69 AC)	124 JH (90 AC)	178 JH (130 AC)	181	126 JH (94 AC)	211
Zinc	101	103	94.8	109	107	95.5	101	93.2	97.1	119	121	88.4	84.8	105	121	79.9	105	112	76.3	124
VOCs (ug/kg)																				
2-Butanone	15 UJK (150 U AC)	17 U	3 JQK	17 U	14 U	15 U	15 UJK	14 U	2 JQK	15 U	15 U	15 U	13 U	16 U	14 U	5 JQK	16 U	17 UJK (170 AC)	15 U	16 UJK

Key at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates results are elevated as defined in Section 5.

Key:

AC	= Adjusted concentration.
B	= Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP	= Contract Laboratory Program.
EPA	= United States Environmental Protection Agency.
ID	= Identification.
H	= High bias.
J	= The analyte was positively identified. The associated numerical result is an estimate.
K	= Unknown bias.
L	= Low bias.
ug/kg	= Micrograms per kilogram.
mg/kg	= Milligrams per kilogram.
Q	= Analyte detected below the adjusted Contract Required Quantitation Limits.
R	= Rejected.
RC	= Rock Creek.
SD	= Sediment sample.
U	= The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ	= The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOCs	= Volatile organic compounds.
YR	= Yamhill River.

Table 7-16

SOUTH YAMHILL RIVER AND ROCK CREEK SEDIMENT SAMPLES
PESTICIDE, PCB, DIOXIN, AND FURAN ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99234428	99224226	99224219	99224221	99224222	99224224	99234428	99224227	99224229	99224562	99234281	99234283	99234299	99234278	99234280	99234422	99234424	99234431	99234426	99234429
CLP Inorganic Number	MJQ712	MJQ635	MJQ628	MJQ630	MJQ631	MJQ633	MJQ712	MJQ636	MJQ638	MJQ640	MJQ641	MJQ643	MJQ704	MJQ764	MJQ766	MJQ706	MJQ708	MJQ715	MJQ710	MJQ713
CLP Organic Number	JP281	JP366	JP269	JP271	JP362	JP364	JP281	JP367	JP369	JP371	JP372	JP374	JP273	JP328	JP330	JP275	JP277	JP284	JP279	JP282
Location ID Number	YR-17-SD	YR-05-SD	YR-01-SD	YR-02-SD	YR-03-SD	YR-04-SD	YR-17-SD	YR-06-SD	YR-07-SD	YR-08-SD	YR-09-SD	YR-10-SD	YR-12-SD	YR-13-SD	YR-14-SD	YR-15-SD	YR-16-SD	RC-03-SD	RC-01-SD	RC-02-SD
	BACKGROUND						BACKGROUND											BACKGROUND		
Pesticides/PCBs (µg/kg)																				
4,4'-DDT	5.0 U	5.6 U	7.0 U	5.5 U	4.7 U	5.0 U	5.0 U	4.8 U	4.6 U	4.8 U	**0.66 JQK**	5.1 U	4.4 U	5.3 U	4.7 U	5.3 U	5.3 U	5.5 U	4.8 U	5.2 U
Beta-BHC	2.6 U	2.9 U	3.6 U	2.8 U	2.4 U	2.6 U	2.6 U	2.5 U	2.4 U	**13 JNK**	2.6 U	2.6 U	2.3 U	2.7 U	2.4 U	2.7 U	2.7 U	2.8 U	2.5 U	2.7 U
Dioxin/Furnas (pg/kg)																				
1,2,3,4,6,7,8-HpCDD	**770.552**	NA	**128.506**	8.998 U	NA	NA	**770.552**	**2.598**	**5.892**	**14.191 JH (1.41 AC)**	NA	**17.78**	**15.339**	NA	**520.401**	NA	NA	**16.652**	NA	NA
1,2,3,4,6,7,8-HpCDF	**695.831**	NA	7.831 U	**1.141**	NA	NA	**695.831**	0.849 U	0.338 U	**1.062 JH (0.11 AC)**	NA	**2.628 JK (0.26 AC)**	3.761 U	NA	**60.546**	NA	NA	3.331 U	NA	NA
1,2,3,4,7,8,9-HpCDF	**27.045**	NA	11.174 U	1.271 U	NA	NA	**27.045**	1.212 U	0.488 U	0.962 U	NA	1.035 U	5.312 U	NA	9.527 U	NA	NA	4.686 U	NA	NA
1,2,3,4,7,8-HxCDD	**15.727**	NA	0.705 U	1.301 U	NA	NA	**15.727**	1.191 U	0.844 U	1.321 U	NA	0.764 U	1.281 U	NA	**4.462**	NA	NA	1.116 U	NA	NA
1,2,3,4,7,8-HxCDF	32.131 U	NA	2.97 U	0.504 U	NA	NA	32.131 U	0.693 U	0.502 U	1.007 U	NA	R	7.101 U	NA	R	NA	NA	5.314 U	NA	NA
1,2,3,6,7,8-HxCDD	**20.902**	NA	**4.964 JK (0.05 AC)**	0.898 U	NA	NA	**20.902**	0.821 U	0.523 U	0.819 U	NA	0.65 U	1.09 U	NA	**29.807**	NA	NA	0.628 U	NA	NA
1,2,3,7,8,9-HxCDD	**25.877**	NA	**1.744**	1.024 U	NA	NA	**25.877**	0.937 U	0.608 U	0.952 U	NA	0.725 U	1.215 U	NA	**10.424**	NA	NA	0.888 U	NA	NA
1,2,3,7,8,9-HxCDF	14.84 U	NA	3.515 U	1.054 U	NA	NA	14.84 U	0.82 U	0.561 U	1.125 U	NA	0.964 U	9.075 U	NA	**4.792**	NA	NA	6.942 U	NA	NA
1,2,3,7,8-PeCDD	**3.395**	NA	0.733 U	1.127 U	NA	NA	**3.395**	1.199 U	0.717 U	1.059 U	NA	0.75 U	0.561 U	NA	**2.822**	NA	NA	0.51 U	NA	NA
2,3,4,6,7,8-HxCDF	19.938 U	NA	2.749 U	0.824 U	NA	NA	19.938 U	0.641 U	0.4 U	0.802 U	NA	0.685 U	6.45 U	NA	**4.792**	NA	NA	5.167 U	NA	NA
2,3,4,7,8-PeCDF	**1.289**	NA	0.733 U	1.152 U	NA	NA	**1.289**	0.805 U	0.419 U	0.737 U	NA	0.428 U	0.637 U	NA	**1.392**	NA	NA	0.488 U	NA	NA
2,3,7,8-TCDF	0.235 U	NA	0.411 U	0.723 U	NA	NA	0.235 U	0.609 U	0.569 U	**0.85 JH (0.08 AC)**	NA	0.39 U	0.249 U	NA	**0.943**	NA	NA	0.328 U	NA	NA
OCDD	**3621**	NA	**1112.81**	**98.169**	NA	NA	**3621**	**21.834**	**69.613**	**126.688 JH (12.67 AC)**	NA	**156.15**	**92.278**	NA	**4715**	NA	NA	**92.967**	NA	NA
OCDF	**743.852**	NA	**45.342**	4.701 U	NA	NA	**743.852**	1.592 U	**1.555**	**4.574 JH (0.46 AC)**	NA	**12.483**	**2.494**	NA	**235.3**	NA	NA	**10.173**	NA	NA
TEQ	**27.9**	NA	**3.114**	**0.11**	NA	NA	**27.9**	**0.004781**	**0.13**	**0.284**	NA	**0.373**	**0.248**	NA	**18.2**	NA	NA	**0.27**	NA	NA

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates results are elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
µg/kg = Micrograms per kilogram.
N = Tentatively identified compound.
NA = Not analyzed.
PCBs = Polychlorinated biphenyls.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
RC = Rock Creek.
SD = Sediment sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
YR = Yamhill River.

Table 7-17

SOUTH YAMHILL RIVER SURFACE WATER SAMPLES ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER & TREATING
SHERIDAN, OREGON

EPA Sample Number	**99234427**	**99224225**	**99224220**	**99224223**	**99234427**	**99224228**	**99224561**	**99234282**	**99234298**	**99234279**	**99234423**	**99234430**	**99234425**
CLP Inorganic Number	**MJQ711**	**MJQ634**	**MJQ629**	**MJQ632**	**MJQ711**	**MJQ637**	**MJQ639**	**MJQ642**	**MJQ703**	**MJQ765**	**MJQ707**	**MJQ714**	**MJQ709**
CLP Organic Number	**JP280**	**JP365**	**JP270**	**JP363**	**JP280**	**JP368**	**JP370**	**JP373**	**JP272**	**JP329**	**JP276**	**JP283**	**JP278**
Location ID Number	**YR-17-SW**	**YR-05-SW**	**YR-02-SW**	**YR-04-SW**	**YR-17-SW**	**YR-07-SW**	**YR-08-SW**	**YR-10-SW**	**YR-12-SW**	**YR-14-SW**	**YR-16-SW**	**RC-03-SW**	**RC-01-SW**
	BACKGROUND				**BACKGROUND**							**BACKGROUND**	
SVOCs (µg/L)													
Bis(2ethylhexyl)phthalate	10 U	10 UJK (100 AC)	10 UJK	10 UJK	10 U	**1 JQK**	10 UJK	**2 JBK**	10 UJK	10 UJK	10 UJK	10 U	10 UJK
Inorganics (µg/L)													
Aluminum	**142 JBK**	**61.2 JBK**	**175 JBK**	**119 JBK**	**142 JBK**	**111 JBK**	**137 JBK**	**137 JBK**	**87.4 JBK**	**99.2 JBK**	**367**	**296**	**295**
Barium	**7.7 JBK (200 U)**	**78.8 JBH (200 U)**	**8.5 JBH**	**6.7 JBH**	**7.7 JBK (200 U)**	**7.7 JBH**	**7.8 JBH**	**7.9 JBK**	**7.5 JBK**	**7.7 JBK**	**13.2 JBK**	**18.9 JBK (200 U)**	**17.0 JBK**
Cadmium	0.40 UJK (0.5 U AC)	0.40 U	0.40 U	0.40 U	0.40 UJK (0.5 U AC)	0.40 U	0.40 U	0.40 U	0.40 UJK	0.40 UJK	**0.70 JBL**	0.40 UJK (0.5 AC)	0.40 UJK
Calcium	**5120 JH**	**112000 JH**	**5450 JH**	**4720 JBH**	**5120 JH**	**5290 JH**	**5380 JH**	**6070 JH**	**6140 JH**	**6230 JH**	**8380 JH**	**11600 JH**	**11200 JH**
Chromium	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	**0.99 JBK**	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Cobalt	2.2 U	**9.5 JBK (50 U)**	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Copper	2.6 U	2.6 U	**3.5 JBK**	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	**4.0 JBK (25 U)**	2.6 U
Iron	**207**	**55.8 JBK**	**233**	**141**	**207**	**134**	**160**	**224**	**215**	**182**	**662**	**669**	**629**
Lead	**2.5 JBK (3 U)**	**1.9 U**	**2.4 JBK**	1.9 U	**2.5 JBK (3 U)**	1.9 U	1.9 U	**3.0**	1.9 U	1.9 U	**17.8**	1.9 U	1.9 U
Magnesium	**1640 JBK**	**41700 JH**	**1680 JBH**	**1500 JBH**	**1640 JBK**	**1680 JBH**	**1720 JBH**	**1910 JBK**	**1900 JBK**	**1950 JBK**	**2690 JBK**	**3820 JBK**	**3550 JBK**
Manganese	**10.1 JBK (15 U)**	**1040 JH**	**9.4 JBH**	**7.4 JBH**	**10.1 JBK (15 U)**	**8.5 JBH**	**8.9 JBH**	**13.7 JBK**	**10.9 JBK**	**10.4 JBK**	**23.0**	**20.7**	**18.7**
Mercury	**0.35**	**0.47 JL (0.7 AC)**	**2.7 JL**	**0.40 JL**	**0.35**	**9.2 JL**	**0.27 JL**	0.10 U	0.10 U	**8.7**	0.10 U	**0.24**	0.1 U
Potassium	**437 JBK**	**1940 JBK**	**466 JBK**	**434 JBK**	**437 JBK**	**443 JBK**	**472 JBK**	**504 JBK**	**457 JBK**	**458 JBK**	**541 JBK**	**707 JBK**	**653 JBK**
Sodium	**4310 JBK**	**178000 JH**	**5010 JH**	**4230 JBH**	**4310 JBK**	**4570 JBH**	**4810 JBH**	**4950 JBK**	**4780 JBK**	**4960 JBK**	**5740**	**7640**	**7020**
Vanadium	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	**2.4 JBK**	**2.3 JBK (50 U)**	**2.1 JBK**
Zinc	1.7 U	1.7 UJK (2 U AC)	1.7 UJK	1.7 UJK	1.7 U	1.7 UJK	1.7 UJK	**6.4 JBK**	**5.2 JBK**	**3.7 JBK**	**2.8 JBK**	**3.6 JBL (20 U)**	**9.4 JBK**
VOCs (µg/L)													
Methylene Chloride	**120**	10 U	10 U	10 U	**120**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pesticide/PCBs (µg/L)													
4,4'-DDT	**0.32**	0.11 U	0.095 U	0.10 U	**0.32**	0.098 U	0.098 U	0.095 U	0.10 U	0.10 U	0.096 U	0.10 U	0.10 U
Endosulfan II	0.096 U	0.11 U	0.095 U	0.10 U	0.096 U	0.098 U	0.098 U	0.095 U	0.10 U	0.10 U	**0.008 JQK**	0.10 U	0.10 U
Dioxin/Furans (pg/L)													
1,2,3,4,6,7,8-HpCDD	5.308 U	NA	11.531 U	NA	5.308 U	NA	**10.993**	5.858 U	6.199 U	5.976 U	NA	4.555 U	NA
OCDD	57.647 U	NA	34.64 U	NA	57.647 U	NA	159.009 U	8.95 U	**15.757**	**24.66 JK**	NA	15.209 U	NA
TEQ	0	NA	0	NA	0	NA	**0.11**	0	**0.01576**	**0.02466**	NA	0	NA

Key is at the end of the table.

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates results are elevated as defined in Section 5.

Key:

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pg/L = Picograms per liter.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
RC = Rock Creek.
SD = Sediment sample.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOCs = Volatile organic compounds.
YR = Yamhill River.

Table 7-18

POPULATION WITHIN A 1-MILE RADIUS
TAYLOR LUMBER AND TREATING SITE
SHERIDAN, OREGON

Distance Ring (Miles)	Population
0 - 1/4	67.2
1/4 - 1/2	47.6
1/2 - 1	243.6
Total	358.4

Source: USGS 1970; OSU 1999a

Table 7-19

RESIDENTIAL SURFACE SOIL SAMPLES
SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	**99214150**	**99214215**	**99214216**	**99224202**	**99224208**	**99224203**	**99224207**	**99224204**	**99224212**	**99224213**	**99224209**	**99224206**	**99224210**	**99224205**	**99224201**
CLP Inorganic Number	**MJAF90**	**MJR309**	**MJR310**	**MJAG81**	**MJQ617**	**MJAG82**	**MJQ616**	**MJAG83**	**MJQ621**	**MJQ622**	**MJQ618**	**MJAG85**	**MJQ619**	**MJAG84**	**MJAG80**
CLP Organic Number	**JP553**	**JP132**	**JP133**	**JP252**	**JP258**	**JP253**	**JP257**	**JP254**	**JP262**	**JP263**	**JP259**	**JP256**	**JP260**	**JP255**	**JP251**
Location ID Number	**WP-07-SS-00**	**SO-01-SS**	**SO-02-SS**	**SO-03-SS**	**SO-04-SS**	**SO-05-SS**	**SO-06-SS**	**SO-07-SS**	**SO-08-SS**	**SO-09-SS**	**SO-10-SS**	**SO-11-SS**	**SO-12-SS**	**SO-13-SS**	**SO-14-SS**
	BACKGROUND														
SVOCs (µg/kg)															
2-Methylnaphthalene	100 U	200 U	100 U	**800**	100 U	200 U	500 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
Acenaphthene	100 U	200 U	100 U	**2300**	100 U	200 U	500 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
Acenaphthylene	100 U	200 U	100 U	**300**	100 U	200 U	500 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
Anthracene	100 U	200 U	100 U	**700**	100 U	200 U	500 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
Benzo(a)anthracene	100 U	200 U	100 U	**1300**	100 U	200 U	500 U	100 U	100 U	**200**	100 U	200 U	100 U	100 U	100 U
Benzo(a)pyrene	100 U	200 U	100 U	**700**	100	200 U	500 U	100 U	100 UJK	**200**	100 U	200 U	100 U	100 U	100 U
Benzo(b)fluoranthene	100 U	200 U	100 U	**2000**	**100 JQK**	200 U	500 U	100 U	100 UJK	**200**	100 U	200 U	100 U	100 U	100 U
Benzo(k)fluoranthene	100 U	200 U	100 U	**1200**	100 U	200 U	500 U	100 U	100 UJK	**100**	100 U	200 U	100 U	100 U	100 U
Bis(2-ethylhexyl)phthalate	200 U	400 U	200 U	**1500**	200 U	**500**	**200 JQK**	200 U	**2100**	**200**	200 U	**400 JQK**	200 U	200 U	**300**
Butylbenzylphthalate	200 U	400 U	200 U	400 U	200 U	400 U	1000 U	200 U	**200 JQK**	200 U	200 U	400 U	200 U	200 U	200 U
Chrysene	100 U	200 U	100 U	**3100**	**90 JQK**	200 U	**90 JQK**	100 U	**90 JQK**	**200**	100 U	200 U	100 U	100 U	100 U
Di-n-butylphthalate	200 U	400 U	200 U	**100 JQK**	200 U	400 U	1000 U	200 U	**300**	200 U	200 U	400 U	200 U	200 U	200 U
Di-n-octylphthalate	300 U	600 U	300 U	600 U	300 U	600 UJK	1500 U	300 U	**200 JH (20 AC)**	300 U	300 U	600 U	300 U	300 U	300 U
Dibenzofuran	200 U	400 U	200 U	**2000**	200 U	400 U	1000 U	200 U	200 U	200 U	200 U	400 U	200 U	200 U	200 U
Fluoranthene	100 U	200 U	100 U	**15000**	100	**90 JQK**	**100 JQK**	100 U	100 U	**300**	100 U	200 U	100 U	100 U	100 U
Fluorene	100 U	200 U	100 U	**2600**	100 U	200 U	500 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
Indeno(1,2,3-cd)pyrene	100 U	200 U	100 U	**300**	**70 JQK**	200 UJK	500 U	100 U	100 UJK	**70 JQK**	100 U	200 U	100 U	100 U	100 U
Naphthalene	100 U	200 U	100 U	**1100**	100 U	200 U	500 U	100 U	100 U	100 U	100 U	200 U	100 U	100 U	100 U
Pentachlorophenol	500 U	1000 U	**200 JQK**	**100 JQK**	500 U	1000 U	**100 JQK**	500 U	500 U	500 U	500 U	1000 U	500 U	500 U	500 U
Phenanthrene	100 U	200 U	100 U	**18000**	100 U	200 U	500 U	100 U	100 U	100 U	100 U	200 U	1000 U	100 U	100 U
Pyrene	**70 JQK (100 U)**	200 U	100 U	**12000**	**200**	**90 JQK**	**100 JQK**	100 U	**80 JQK**	**300**	100 U	200 U	100 U	100 U	100 U

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates results which are elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
µg/kg = Micrograms per kilogram.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SO = Residential soil sample.
SS = Surface soil sample.
SVOCs = Semivolatile organic compounds.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
WP = White pole storage area.

Table 7-20

RESIDENTIAL SURFACE SOIL SAMPLES
INORGANIC AND VOLATILE ORGANIC COMPOUNDS
ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99214215	99214216	99224202	99224208	99224203	99224207	99224204	99224212	99224213	99224209	99224206	99224210	99224205	99224201
CLP Inorganic Number	MJAF90	MJR309	MJR310	MJAG81	MJQ617	MJAG82	MJQ616	MJAG83	MJQ621	MJQ622	MJQ618	MJAG85	MJQ619	MJAG84	MJAG80
CLP Organic Number	JP553	JP132	JP133	JP252	JP258	JP253	JP257	JP254	JP262	JP263	JP259	JP256	JP260	JP255	JP251
Location ID Number	WP-07-SS-00	SO-01-SS	SO-02-SS	SO-03-SS	SO-04-SS	SO-05-SS	SO-06-SS	SO-07-SS	SO-08-SS	SO-09-SS	SO-10-SS	SO-11-SS	SO-12-SS	SO-13-SS	SO-14-SS
	BACKGROUND														
Inorganics (mg/kg)															
Aluminum	23700	17700	22400	19400	19100	21700	114000	31300	40100	29900	29500	30500	48900	30300	25700
Antimony	13.3 UJK (26 U AC)	R	R	R	16.5 UJK	R	19.4 UJK	19.1 UJK	16.5 UJK	18.5 UJK	16.8 UJK	19.3 JL	13.5 UJK	14.4 UJK	R
Arsenic	7.4	7.2	15.1	9.6	6.3	6.9	7.5	6.1	11.2	7.5	7.8	7.2	3.4	5.8	10.6
Barium	190	784	174	221	212	186	126	160	416	230	823	188	248	157	58.8
Beryllium	0.48 JBK (1.13 U)	0.72 U	0.78 U	0.7 U	0.71 U	0.76 U	0.63 U	0.92 U	0.91 JBK	1.0 JBK	0.9 JBK	0.56 U	0.77 JBK	0.61 U	0.54 U
Cadmium	0.79 U	1.3 JBK	1.4	1.7	1.6	1.2 U	1.7 JBK	1.1 U	2.4	1.1 U	4.5	1.4 JBK	0.81 U	0.86 U	0.79 U
Calcium	9090	7090	5260	7410	7390	7440	7910	6770	9180	4710	15300	13000	8330	5540	12300
Chromium	28	60.7	58.4	52.2	45.7	39.1	21.5	44.7	77.9	57.6	71.4	76.2	74.8	37.4	27.4
Cobalt	20.9	23.9 JH (19 AC)	24.3 JH (19 AC)	17.3 JH (14 AC)	32.8	16.2 JBH	14.1 JBK	17.2	31.6	16.1	24.7	32.0	38.4	17.1	35.4 JH (28 AC)
Copper	106 JH	58.3	77.4	101	100	44.6	33.9	35.7	142	52.5	150	120	93	29.4	64.2
Iron	47800	44800	50800	36200	47900	36400	22700	38700	62900	50300	59500	57300	68700	39400	67300
Lead	4.9	464	96.1	96.2	142	35.0	417	14.2	195	34.1	2880	123	9.1	13.8	89.5 U
Magnesium	9310	6410	5270	6060	5920	4660	2820	6220	8210	4700	6650	8400	17000	5950	28900
Manganese	564 JH	861 JH (680 AC)	979 JH (780 AC)	657 JH (530 AC)	1130	626 JH (500 AC)	518	674	1210	393	1290	981	1200	635	441 JH (360 AC)
Mercury	0.07 JBK (0.08 U)	0.42	0.11 JBK	0.12 JBK	0.11 JL	0.40	0.27 JL	0.08 JL	0.17 JL	0.15 JL	0.07 UJK	0.29 JL	0.06 UJK	0.06 UJK	0.07 JBK
Nickel	41.6	25.7	30.6	26.5	22.9	33.8	115 JL	23.7	40.5	21.6	23.3	37.2	57.3	19.2	66.3
Potassium	966 U	2010 U	1650	1680 U	2100	2550	1460 JBK	1600 JBK	2380	1660	4870	3150	3190	1850	1640
Seleniuim	0.16 U	0.42 JBK	0.32 JBK	0.23 UJK	0.20 U	0.23 UJK	0.59 JBK	0.23 U	0.20 U	0.22 UJK	0.20 UJK	0.20 U	0.16 U	0.37 JBK	0.16 UJK
Silver	1.00 UJK (1.7 U AC)	1.5 UJK	1.3 UJK	1.5 UJK	1.3 UJK	1.5 UJK	1.5 UJK	1.5 UJK	1.3 UJK	1.4 UJK	1.3 UJK	1.3 UJK	1.0 UJK	1.1 UJK	1 UJK
Sodium	1570	516 JBK	781 JBK	1740	301 U	735 JBK	366 U	1420 JBK	769 JBK	322 UJK	651 JBK	821 JBK	1290	686 JBK	4750
Thallium	0.23 UJK (0.4 U AC)	0.33 U	0.28 UJK	0.33 U	0.28 U	0.33 U	0.33 U	0.32 U	0.28 U	0.31 U	0.29 U	0.29 UJK	0.24 JL	0.25 U	0.23 UJK
Vanadium	98.2 JH	111	148	103	135	102	41.1	115	205	131	180	186	237	118	113
Zinc	81.1	682	1140	1520	348	216	1480	88.2	1520	252	2940	422	139	80.6	141
VOCs (µg/kg)															
2-Butanone	11 U	18 U	15 U	17 U	14 U	5 JQK	16 U	17 U	14 U	17 U	14 U	15 U	11 U	12 U	11 U
Toluene	11 U	18 U	15 U	17 U	14 U	7 JQK	16 U	17 U	14 U	17 U	14 U	15 U	11 UJ	12 U	11 U
Trichloroethene	11 U	18 U	4 JQK	17 U	14 U	17 U	16 U	17 U	14 U	17 U	14 U	15 U	11 U	12 U	11 U

Key at the end of the table.

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates results which are elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
mg/kg = Milligrams per kilogram.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
R = Rejected.
SO = Residential soil sample.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
VOCs = Volatile organic compounds.
WP = White pole storage area.

Table 7-21

RESIDENTIAL SURFACE SOIL SAMPLES
PESTICIDE/PCBs ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99214215	99214216	99224202	99224208	99224203	99224207	99224204	99224212	99224213	99224209	99224206	99224210	99224205	99224201
CLP Inorganic Number	MJAF90	MJR309	MJR310	MJAG81	MJQ617	MJAG82	MJQ616	MJAG83	MJQ621	MJQ622	MJQ618	MJAG85	MJQ619	MJAG84	MJAG80
CLP Organic Number	JP553	JP132	JP133	JP252	JP258	JP253	JP257	JP254	JP262	JP263	JP259	JP256	JP260	JP255	JP251
Location ID Number	WP-07-SS-00	SO-01-SS	SO-02-SS	SO-03-SS	SO-04-SS	SO-05-SS	SO-06-SS	SO-07-SS	SO-08-SS	SO-09-SS	SO-10-SS	SO-11-SS	SO-12-SS	SO-13-SS	SO-14-SS
	BACKGROUND														
Pesticides/PCBs (µg/kg)															
4,4'-DDD	**0.19 JQK (3.8 U)**	6.1 U	5.0 U	5.7 U	4.4 U	**1.4 JQK**	**2.3 JQK**	5.5 U	**13**	**1.3 JQK**	4.7 U	4.9 U	3.6 U	4.0 U	3.7 U
4,4'-DDE	3.8 U	**6.0 JQK**	**1.7 JQK**	21 U	**2.0 JQK**	**9.8**	**50**	5.5 U	**13**	**1.4 JQK**	**6.9**	68 U	**15**	4.0 U	3.7 U
4,4'-DDT	**0.25 JNL (3.2 AC)**	**16 JL**	**17**	5.7 U	4.4 U	**17**	**150**	**1.3 JQK**	**200**	5.7 U	**13 JH (1 AC)**	32 U	**7.3**	**1.6 JQK**	3.7 U
Aldrin	1.9 U	**0.17 JQK**	2.6 U	2.9 U	2.3 U	2.8 U	2.7 U	2.8 U	2.4 U	2.9 U	2.4 U	2.5 U	1.8 U	2.0 U	1.9 U
Alpha-Chlordane	1.9 U	3.1 U	**1.7 JQK**	2.9 U	**8 JH (0.8 AC)**	2.8 U	2.7 U	2.8 U	2.4 U	2.9 U	2.4 U	**1800 JH (180 AC)**	1.8 U	2.0 U	1.9 U
Aroclor 1254	38 U	61 U	**38 JQK**	**3300**	44 U	55 U	53 U	55 U	46 U	57 U	47 U	49 U	36 U	40 U	**36 JQK**
Aroclor 1260	38 U	**11 JQK**	50 U	57 U	44 U	55 U	53 U	55 U	46 U	57 U	47 U	49 U	36 U	40 U	37 U
Beta-BHC	1.9 U	3.2 U	2.6 U	2.9 U	2.3 U	2.8 U	2.7 U	2.8 U	2.4 U	2.9 U	2.4 U	**1.6 JNK**	1.8 U	2.0 U	1.9 U
Dieldrin	3.8 U	**0.52 JQK**	5 U	5.7 U	**2.8 JQK**	**5.2 JQK**	**2.3 JQK**	**0.66 JQK**	**3.4 JH (0.3 AC)**	**2.0 JQK**	**93**	65 U	3.6 U	4.0 U	3.7 U
Endosulfan Sulfate	3.8 U	6.1 U	5 U	38 U	4.4 U	5.5 U	5.3 U	5.5 U	4.6 U	**0.56 JQK**	4.7 U	4.9 U	3.6 U	4.0 U	3.7 U
Endrin Aldehyde	3.8 U	6.1 U	5 U	5.7 U	4.4 U	**0.25 JQK**	5.3 U	5.5 U	4.6 U	5.7 U	4.7 U	4.9 U	3.6 U	4.0 U	3.7 U
Endrin Ketone	3.8 U	6.1 U	5 U	5.7 U	4.4 U	2.8 U	5.3 U	5.5 U	4.6 U	5.7 U	**1.2 JQK**	4.9 U	3.6 U	4.0 U	3.7 U
Gamma-BHC	1.9 U	3.2 U	2.6 U	2.9 U	2.3 U	2.8 U	2.7 U	2.8 U	2.4 U	**7.4**	2.4 U	**1.6 JQK**	**0.44 JQK**	2.0 U	1.9 U
Gamma-Chlordane	1.9 U	3.1 U	4.4 U	14 U	**6.2**	2.8 U	2.7 U	2.8 U	2.4 U	2.9 U	2.4 U	**1600**	1.8 U	2.0 U	1.9 U
Heptachlor	1.9 U	3.1 U	**0.93 JQK**	2.9 U	2.3 U	2.8 U	2.7 U	2.8 U	2.4 U	2.9 U	2.4 U	**32**	1.8 U	2.0 U	1.9 U
Heptachlor Epoxide	1.9 U	3.1 U	**3.7**	2.9 U	2.3 U	**0.6 JOK**	2.7 U	2.8 U	2.4 U	2.9 U	2.4 U	2.5 U	1.8 U	2.0 U	1.9 U

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates results which are elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
µg/kg = Micrograms per kilogram.
PCBs = Polychlorinated biphenyls.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SO = Residential soil sample.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
WP = White pole storage area.

Table 7-22

RESIDENTIAL SURFACE SOIL SAMPLES
DIOXIN/FURAN ANALYTICAL RESULTS SUMMARY
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Sample Number	99214150	99214215	99214216	99224202	99224208	99224203	99224207	99224204	99224212	99224213	99224209	99224206	99224210	99224205	99224201
CLP Inorganic Number	MAJF90	MJR309	MJR310	MJAG81	MJQ617	MJAG82	MJQ616	MJAG83	MJQ621	MJQ622	MJQ618	MJAG85	MJQ619	MJAG84	MJAG80
CLP Organic Number	JP553	JP132	JP133	JP252	JP258	JP253	JP257	JP254	JP262	JP263	JP259	JP256	JP260	JP255	JP251
Location ID Number	WP-07-SS-00	SO-01-SS	SO-02-SS	SO-03-SS	SO-04-SS	SO-05-SS	SO-06-SS	SO-07-SS	SO-08-SS	SO-09-SS	SO-10-SS	SO-11-SS	SO-12-SS	SO-13-SS	SO-14-SS
	BACKGROUND														
Dioxin/Furans (ng/kg)															
1,2,3,4,6,7,8-HpCDD	**876.591**	**3114.365 JH (311.44 AC)**	**3926.717 JL**	**660.432**	**151.661**	**368.481**	**322.282**	**14.961**	**446.922**	**8.28**	**73.75**	**210.418**	**3.202**	**55.592**	**181.727**
1,2,3,4,6,7,8-HpCDF	**75.485**	**330.604 JH (33.06 AC)**	**401.938**	**66.878**	**17.404**	**38.724**	**83.048**	**1.234**	**53.839 JK (5.38 AC)**	**0.971 JK (0.10 AC)**	**28.214**	**30.431**	0.448 U	**11.259**	**16.367**
1,2,3,4,7,8,9-HpCDF	6.169 U	54.669 U	**19.541**	**4.871**	1.641 U	**2.34**	12.891 U	0.261 U	2.944 U	0.716 U	1.195 U	4.083 U	0.456 U	**0.86**	1.336 U
1,2,3,4,7,8-HxCDD	**8.905**	**25.875 JH (2.59 AC)**	**69.524**	**9.502**	**1.453**	4.215 U	1.265 U	0.461 U	**5.474 JK (0.55 AC)**	0.745 U	**1.52**	0.471 U	0.807 U	0.46 U	**1.683**
1,2,3,4,7,8-HxCDF	33.903 U	315.393 U	**121.774**	33.356 U	4.216 U	11.987 U	17.806 U	0.126 U	R	R	15.537 U	12.584 U	0.594 U	8.102 U	4.161 U
1,2,3,6,7,8-HxCDD	**47.578**	**106.947 JH (10.67 AC)**	**214.746**	**33.693**	**5.116**	**14.996**	**11.13**	**0.737**	**21.234**	0.514 U	**5.338**	4.994 U	0.557 U	**1.264**	**6.431**
1,2,3,6,7,8-HxCDF	2.5 U	11.333 U	28.398 U	0.656 U	0.387 U	1.257 U	8.282 U	0.246 U	**1.191 JK (0.12 AC)**	0.406 U	4.609 U	2.386 U	0.494 U	0.384 U	0.622 U
1,2,3,7,8,9-HxCDD	**25.229**	**34.272 JH (3.42 AC)**	**140.142**	**22.231**	**3.324**	**9.614**	0.912 U	0.362 U	**14.85**	0.586 U	**4.351 U**	**3.815**	0.635 U	**1.102**	**3.065**
1,2,3,7,8,9-HxCDF	3.56 U	16.14 U	**5.191**	**1.181**	0.552 U	0.891 U	14.725 U	0.35 U	0.783 U	0.579 U	0.614 U	3.398 U	0.703 U	0.547 U	0.886 U
1,2,3,7,8-PeCDD	**5.209**	5.724 U	37.675	**5.284**	0.318 U	**2.859**	1.666 U	0.43 U	**1.892 JK (0.19 AC)**	0.681 U	**1.323**	**0.602**	0.767 U	0.333 U	**0.827**
1,2,3,7,8-PeCDF	0.313 U	5.238 U	0.798 U	**3.615**	0.172 U	0.504 U	1.444 U	0.289 U	1.496 U	0.638 U	**1.969**	31.832 U	0.591 U	0.167 U	0.67 U
2,3,4,6,7,8-HxCDF	2.784 U	12.622 U	2.826 U	0.922 U	0.432 U	1.4 U	10.501 U	0.274 U	**1.751 JK (0.18 AC)**	0.453 U	**7.03**	2.657 U	0.55 U	0.428 U	0.693 U
2,3,4,7,8-PeCDF	**1.033**	5.356 U	**6.289**	**2.023**	0.176 U	0.515 U	1.526 U	0.296 U	1.53 U	0.652 U	**4.484**	9.071 U	0.605 U	0.171 U	0.327 U
2,3,7,8-TCDD	0.128 U	3.232 U	**3.023**	0.172 U	0.186 U	0.297 U	1.437 U	0.233 U	0.51 U	0.461 U	0.242 U	0.643 U	0.465 U	0.147 U	0.178 U
2,3,7,8-TCDF	0.174 U	3.081 U	**1.728**	**4.212**	**0.789**	**1.542**	1.84 U	**1.262**	**5.721**	0.523 U	**10.503**	138.806 U	0.415 U	**0.687**	**0.613**
OCDD	**7650.317**	**33004.0859 JH (3300.409 AC)**	**19446.84**	**4491.71**	**981.994**	**4130**	**2302.812**	101.439 U	**3133.952 JL**	**72.121**	**492.312**	**1498.509**	**29.397**	**683.573**	**1686.848**
OCDF	**304.405**	**2126.718**	**561.463**	**198.367**	**34.304**	**75.727**	**220.09**	**1.589**	**146.28**	**1.737 JK (0.17 AC)**	**31.634**	**108.16**	2.091 U	**70.024**	**64.799**
TEQ	**28.7**	**0.863**	**144**	**22.94**	**3.78**	**12.3**	**7.68**	**0.364**	**14.253**	**0.166**	**6.98**	**4.7**	**0.0614**	**1.74**	**5.33**

Note: Only compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above the sample quantitation or detection limits.
Underlined type indicates results which are elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
CLP = Contract Laboratory Program.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identifcation.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
ng/kg = Nanograms per kilogram.
R = Rejected.
SO = Residential soil sample.
SS = Surface soil sample.
U = The material was analyzed for but was not detected. The associated numerical value is the sample quantitation limit.
UJ = The material was analyzed for but was not detected. The associated numerical result is the estimated sample quantitation limit.
WP = White pole storage area.

Table 7-23

AIR SAMPLES
INORGANIC AND SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
FOR AUGUST 22, 1999
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Inorganic ID	**99080216**	**99080210**	**99080211**	**99080212**	**99080213**	**99080214**	**99080215**	**PRGs for Ambient Air**
Inorganic Location ID	**H7082299**	**H1082299**	**H2082299**	**H3082299**	**H4082299**	**H5082299**	**H6082299**	
EPA Organic ID	**99080206**	**99080200**	**99080201**	**99080202**	**99080203**	**99080204**	**99080205**	
Organic Location ID	**P7082299**	**P1082299**	**P2082299**	**P3082299**	**P4082299**	**P5082299**	**P6082299**	
	Background							
Inorganics (ug/m^3)								
Arsenic	**0.0002 JB (0.00026 U)**	**0.001**	**0.0008**	**0.0007**	**0.0005 JL**	**0.0004 JL**	**0.0004 JL**	**0.00045**
Chromium	**0.0006 JL (0.0058 AC)**	**0.0018 JL**	**0.0012 JL**	**0.001 JL**	**0.0014 JL**	**0.0008 JL**	**0.0017 JL**	**0.00016**
Lead	**0.0019**	**0.0022**	**0.0025**	**0.0021**	**0.0024**	**0.0021**	**0.003**	--
SVOCs (ug/m^3)								
2-Methylnaphthalene	**0.0322**	**2.4233**	**3.0592**	**1.0063**	**0.6103**	**0.5755**	**0.0574**	--
Acenaphthene	**0.0073**	**1.5031**	**0.8882**	**0.3774**	**0.2958**	**0.3094**	**0.0324**	**220**
Anthracene	0.0037 U	0.0613 U	0.0362	0.0314 U	0.0094 U	**0.0245**	0.0034 U	**1100**
Fluoranthene	0.0037 U	0.0613 U	**0.0395**	0.0314 U	**0.0103**	**0.0504**	**0.0054**	**150**
Fluorene	**0.0055**	**0.7669**	**0.6579**	**0.239**	**0.1549**	**0.2446**	**0.027**	**150**
Naphthalene	**0.0476**	**3.9877**	**2.4013**	**1.3836**	**1.2207**	**0.7554**	**0.1554**	**3.1**
Pentachlorophenol	0.0366 U	0.6135 U	0.3289 U	0.3145 U	0.0939 U	**0.2914**	0.0338 U	**0.056**
Phenanthrene	**0.007**	**0.7055**	**0.625**	**0.2579**	**0.1455**	**0.3957**	**0.0338**	--
Pyrene	0.0037 U	0.0613 U	0.0329 U	0.0031 U	0.0094 U	**0.0266**	**0.0044**	**110**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
EPA = United States Environmental Protection Agency.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
L = Low bias.
ug/m3 = Micrograms per cubic meter.
PRGs = EPA Region 9 Preliminary Remediation Goals.
SVOCs = Semivolatile organic compounds.
U = The analyte was not detected. The associated numerical result is the sample quanititation limit.

Table 7-24

AIR SAMPLES
INORGANIC AND SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
FOR AUGUST 23, 1999
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Inorganic ID	**99080233**	**99080234**	**99080228**	**99080229**	**99080230**	**99080231**	**99080232**	**PRGs for Ambient Air**
Inorganic Location ID	**H6082399**	**H7082399**	**H1082399**	**H2082399**	**H3082399**	**H4082399**	**H5082399**	
EPA Organic ID	**99080225**	**99080226**	**99080220**	**99080221**	**99080222**	**99080223**	**99080224**	
Organic Location ID	**P6082399**	**P7082399**	**P1082399**	**P2082399**	**P3082399**	**P4082399**	**P5082399**	
	Background							
Inorganics (ug/m^3)								
Arsenic	**0.0003 JL (0.0003 AC)**	**0.0002 JB (0.00026 U)**	**0.0047**	**0.0036**	**0.0005 JL**	**0.0004 JL**	**0.0002 JB**	**0.00045**
Chromium	**0.0022 JL (0.022 AC)**	**0.0009 JL (0.0009 AC)**	**0.0021 JL**	**0.0022 JL**	**0.0019 JL**	**0.0016 JL**	**0.001 JL**	**0.00016**
Lead	**0.0024**	**0.0014**	**0.002**	**0.0018**	**0.002**	**0.0017**	**0.0013**	--
SVOCs (ug/m^3)								
2-Methylnaphthalene	**0.0162**	**0.0126**	**0.6962**	**3.9344**	**0.121**	**0.0554**	**0.0361**	--
Acenaphthene	**0.0068**	0.0039 U	**0.3797**	**2.8525**	**0.0427**	**0.0172**	**0.0143**	**220**
Anthracene	0.0036 U	0.0039 U	**0.0272**	**0.177**	0.0036 U	0.0028 U	0.0038 U	**1100**
Fluoranthene	0.0036 U	0.0039 U	**0.0601**	**0.1443**	**0.0114**	**0.0036**	**0.0045**	**150**
Fluorene	**0.0054**	0.0039 U	**0.2215**	**1.8361**	**0.0281**	**0.0139**	**0.0135**	**150**
Naphthalene	**0.0306**	**0.0209**	**1.8038**	**4.5902**	**0.1851**	**0.1357**	**0.0489**	**3.1**
Phenanthrene	**0.0097**	**0.0059**	**0.3165**	**2.1639**	**0.0463**	**0.023**	**0.0218**	--
Pyrene	0.0036 U	0.0039 U	**0.0411**	**0.0885**	**0.0071**	0.0028 U	0.0038 U	**110**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
EPA = United States Environmental Protection Agency.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
L = Low bias.
ug/m3 = Micrograms per cubic meter.
PRGs = EPA Region 9 Preliminary Remediation Goals.
SVOCs = Semivolatile organic compounds.
U = The analyte was not detected. The associated numerical result is the sample quanititation limit.

Table 7-25

AIR SAMPLES
INORGANIC AND SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
FOR AUGUST 24, 1999
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Inorganic ID	**99080251**	**99080246**	**99080247**	**99080248**	**99080249**	**99080250**	**99080252**	**PRGs for Ambient Air**
Inorganic Location ID	**H6082499**	**H1082499**	**H2082499**	**H3082499**	**H4082499**	**H5082499**	**H7082499**	
EPA Organic ID	**99080241**	**99080236**	**99080237**	**99080238**	**99080239**	**99080240**	**99080242**	
Organic Location ID	**P6082499**	**P1082499**	**P2082499**	**P3082499**	**P4082499**	**P5082499**	**P7082499**	
	Background							
Inorganics (ug/m^3)								
Arsenic	**0.0003**	**0.0035**	**0.0023**	**0.0004 JL**	**0.0007**	**0.0003**	**0.0004**	**0.00045**
Chromium	**0.001 JL (0.0104 AC)**	**0.0028 JL**	**0.0012 JL**	**0.001 JL**	**0.0018 JL**	**0.0008 JL**	**0.0015 JL**	**0.00016**
Lead	**0.002**	**0.0079**	**0.0013**	**0.0017**	**0.0015**	**0.0011**	**0.0019**	--
SVOCs (ug/m^3)								
2-Methylnaphthalene	**0.021**	**0.3322**	**5.137**	**0.0421**	**0.0635**	**0.0415**	**0.0281**	--
Acenaphthene	**0.0051**	**0.1296**	**5.137**	**0.0112**	**0.0211**	**0.0158**	**0.0059**	**220**
Anthracene	0.0036 U	0.0133 U	**0.3219**	0.0035 U	0.0033 U	0.0038 U	0.004 U	**1100**
Fluoranthene	0.0036 U	**0.0199**	**0.25**	**0.007**	0.0033 U	**0.0045**	0.004 U	**150**
Fluorene	**0.0047**	**0.0831**	**3.2534**	**0.0105**	**0.0161**	**0.0166**	**0.0067**	**150**
Naphthalene	**0.0399**	**1.0963**	**6.5068**	**0.0632**	**0.1605**	**0.0642**	**0.0395**	**3.1**
Phenanthrene	**0.0098**	**0.1196**	**3.7671**	**0.0221**	**0.0194**	**0.0272**	**0.0083**	--
Pyrene	0.0036 U	0.0133 U	**0.1541**	0.0053	0.0033 U	0.0038 U	0.004 U	**110**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
EPA = United States Environmental Protection Agency.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
L = Low bias.
ug/m3 = Micrograms per cubic meter.
PRGs = EPA Region 9 Preliminary Remediation Goals.
SVOCs = Semivolatile organic compounds.
U = The analyte was not detected. The associated numerical result is the sample quanititation limit.

Table 7-26

AIR SAMPLES
INORGANIC AND SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
FOR AUGUST 25, 1999
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Inorganic ID	**99080268**	**99080269**	**99080270**	**99080264**	**99080265**	**99080266**	**99080267**	**PRGs for Ambient Air**
Inorganic Location ID	**H5082599**	**H6082599**	**H7082599**	**H1082599**	**H2082599**	**H3082599**	**H4082599**	
EPA Organic ID	**99080260**	**99080261**	**99080262**	**99080256**	**99080257**	**99080258**	**99080259**	
Organic Location ID	**P5082599**	**P6082599**	**P7082599**	**P1082599**	**P2082599**	**P3082599**	**P4082599**	
	Background							
Inorganics (ug/m^3)								
Arsenic	**0.0001 JB (0.00023 U)**	**0.0002 JB (0.00024 U)**	0.0001 U	**0.0033**	**0.0206**	**0.0007**	**0.0005**	**0.00045**
Chromium	**0.0005 JL (0.0005 AC)**	**0.0015 JL (0.015 AC)**	**0.0005 JL (0.0005 AC)**	**0.0019 JL**	**0.002 JL**	**0.0016 JL**	**0.0014 JL**	**0.00016**
Lead	**0.0006**	**0.003**	**0.0006**	**0.0014**	**0.0012**	**0.0013**	**0.0021**	--
SVOCs (ug/m^3)								
2- Chloronaphthalene	0.0037 U	0.0034 U	0.0036 U	0.0799 U	**0.0671**	0.0036 U	0.0068 U	--
2-Methylnaphthalene	**0.0315**	**0.0205**	**0.008**	**3.1949**	**4.3624**	**0.2255**	**0.2669**	--
Acenaphthene	**0.0139**	**0.0141**	0.0036 U	**2.1086**	**3.6913**	**0.1127**	**0.1486**	**220**
Anthracene	0.0037 U	0.0034 U	0.0036 U	**0.0831**	**0.2248**	**0.0058**	0.0068 U	**1100**
Fluoranthene	0.0037 U	0.0034 U	0.0036 U	**0.0639 JQ**	**0.2215**	**0.0138**	0.0068 U	**150**
Fluorene	**0.0099**	**0.0101**	0.0036 U	**0.9904**	**2.2819**	**0.0582**	**0.0845**	**150**
Naphthalene	**0.0696**	**0.0671**	**0.0175**	**7.0288**	**5.0336**	**0.4**	**0.5743**	**3.1**
Phenanthrene	**0.0147**	**0.0174**	0.0036 U	**0.9265**	**2.953**	**0.0764**	**0.0811**	--
Pyrene	0.0037 U	0.0034 U	0.0036 U	**0.0447 JQ**	**0.1443**	**0.0095**	0.0068 U	**110**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
EPA = United States Environmental Protection Agency.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
L = Low bias.
ug/m3 = Micrograms per cubic meter.
PRGs = EPA Region 9 Preliminary Remediation Goals.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SVOCs = Semivolatile organic compounds.
U = The analyte was not detected. The associated numerical result is the sample quanititation limit.

Table 7-27

AIR SAMPLES
INORGANIC AND SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
FOR AUGUST 26, 1999
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Inorganic ID	**99080285**	**99080280**	**99080281**	**99080282**	**99080283**	**99080284**	**99080286**	**PRGs for Ambient Air**
Inorganic Location ID	**H6082699**	**H1082699**	**H2082699**	**H3082699**	**H4082699**	**H5082699**	**H7082699**	
EPA Organic ID	**99080277**	**99080272**	**99080273**	**99080274**	**99080275**	**99080276**	**99080278**	
Organic Location ID	**P6082699**	**P1082699**	**P2082699**	**P3082699**	**P4082699**	**P5082699**	**P7082699**	
	Background							
Inorganics (ug/m^3)								
Arsenic	**0.0004**	**0.0013**	**0.0013**	**0.0006**	**0.0012**	**0.0006**	**0.0004**	**0.00045**
Chromium	**0.0017 JL (0.017 U)**	**0.003 JL**	**0.0009 JL**	**0.0014 JL**	**0.0039 JL**	**0.0011 JL**	**0.0007 JL**	**0.00016**
Lead	**0.0024**	**0.0031**	**0.0015**	**0.0029**	**0.012**	**0.0019**	**0.0018**	--
SVOCs (ug/m^3)								
2-Methylnaphthalene	**0.0558**	**4.2904**	**6.5934**	**0.5654**	**1.1842**	**0.1735**	**0.1034 JH (0.0103 AC)**	--
Acenaphthene	**0.0242**	**2.0462**	**3.2967**	**0.2049**	**0.4934**	**0.0578**	**0.0245 JH (0.0025 AC)**	**220**
Anthracene	0.0037 U	**0.1584**	**0.2051**	**0.0117**	**0.0362**	0.0034 U	0.0038 U	**1100**
Fluoranthene	0.0037 U	0.132 U	**0.1612**	**0.012**	0.0329 U	**0.0092**	0.0038 U	**150**
Fluorene	**0.0182**	**0.9241**	**2.0147**	**0.1131**	**0.2368**	**0.0442**	**0.0222 JH (0.0022 AC)**	**150**
Naphthalene	**0.1375**	**13.8614**	**9.1575**	**0.9541**	**3.6184**	**0.2245**	**0.1341 JH (0.0134 AC)**	**3.1**
Pentachlorophenol	0.0372 U	1.3201 U	0.7326 U	0.0707 U	0.3289 U	**0.0374**	0.0383 U	**0.056**
Phenanthrene	**0.0283**	**0.7261**	**2.2344**	**0.1201**	**0.1941**	**0.0646**	**0.0245 JH (0.0025 AC)**	--
Pyrene	0.0037 U	0.132 U	**0.0842**	0.0071 U	0.0329 U	**0.0044**	0.0038 U	**110**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
EPA = United States Environmental Protection Agency.
ID = Identification.
H = High bias.
J = The analyte was positively identified. The associated numerical result is an estimate.
L = Low bias.
ug/m3 = Micrograms per cubic meter.
PRGs = EPA Region 9 Preliminary Remediation Goals.
SVOCs = Semivolatile organic compounds.
U = The analyte was not detected. The associated numerical result is the sample quanititation limit.

Table 7-28

AIR SAMPLES
INORGANIC AND SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
FOR AUGUST 27, 1999
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Inorganic ID	**99080303**	**99080297**	**99080298**	**99080299**	**99080300**	**99080301**	**99080302**	**PRGs for Ambient Air**
Inorganic Location ID	**H7082799**	**H1082799**	**H2082799**	**H3082799**	**H4082799**	**H5082799**	**H6082799**	
EPA Organic ID	**99080295**	**99080289**	**99080290**	**99080291**	**99080292**	**99080293**	**99080294**	
Organic Location ID	**P7082799**	**P1082799**	**P2082799**	**P3082799**	**P4082799**	**P5082799**	**P6082799**	
	Background							
Inorganics (ug/m^3)								
Arsenic	**0.0003 JL (0.0033 AC)**	**0.0004 JL**	**0.0017 JL**	**0.0013 JL**	**0.0007 JL**	**0.0006 JL**	**0.0004 JL**	**0.00045**
Chromium	**0.001 JL (0.0103 AC)**	**0.002 JL**	**0.0028 JL**	**0.0018 JL**	**0.0016 JL**	**0.0013 JL**	**0.0011 JL**	**0.00016**
Lead	**0.0027 JL (0.0269 AC)**	**0.0029 JL**	**0.0038 JL**	**0.0035 JL**	**0.0046 JL**	**0.0035 JL**	**0.0029 JL**	**--**
SVOCs (ug/m^3)								
2-Methylnaphthalene	**0.0216**	**1.9649**	**4.7458**	**0.2303**	**0.2416**	**0.1326**	**0.0625**	**--**
Acenaphthene	**0.0079**	**1.2632**	**3.7288**	**0.1217**	**0.1413**	**0.0753**	**0.0324**	**220**
Anthracene	0.0036 U	**0.0737**	**0.2237**	**0.0069**	0.0074 U	0.0036 U	0.0037 U	**1100**
Fluoranthene	0.0036 U	0.0702 U	**0.1797**	**0.0099**	0.0074 U	0.0036 U	0.0037 U	**150**
Fluorene	**0.0065**	**0.5614**	**2.2373**	**0.0625**	**0.0706**	**0.0466**	**0.021**	**150**
Naphthalene	**0.0612**	**6.6667**	**12.5424**	**0.6908**	**0.9665**	**0.3943**	**0.25**	**3.1**
Phenanthrene	**0.0108**	**0.5263**	**2.5763**	**0.0724**	**0.0595**	**0.0466**	**0.0213**	**--**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
EPA = United States Environmental Protection Agency.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
L = Low bias.
ug/m3 = Micrograms per cubic meter.
PRGs = EPA Region 9 Preliminary Remediation Goals.
SVOCs = Semivolatile organic compounds.
U = The analyte was not detected. The associated numerical result is the sample quanititation limit.

Table 7-29

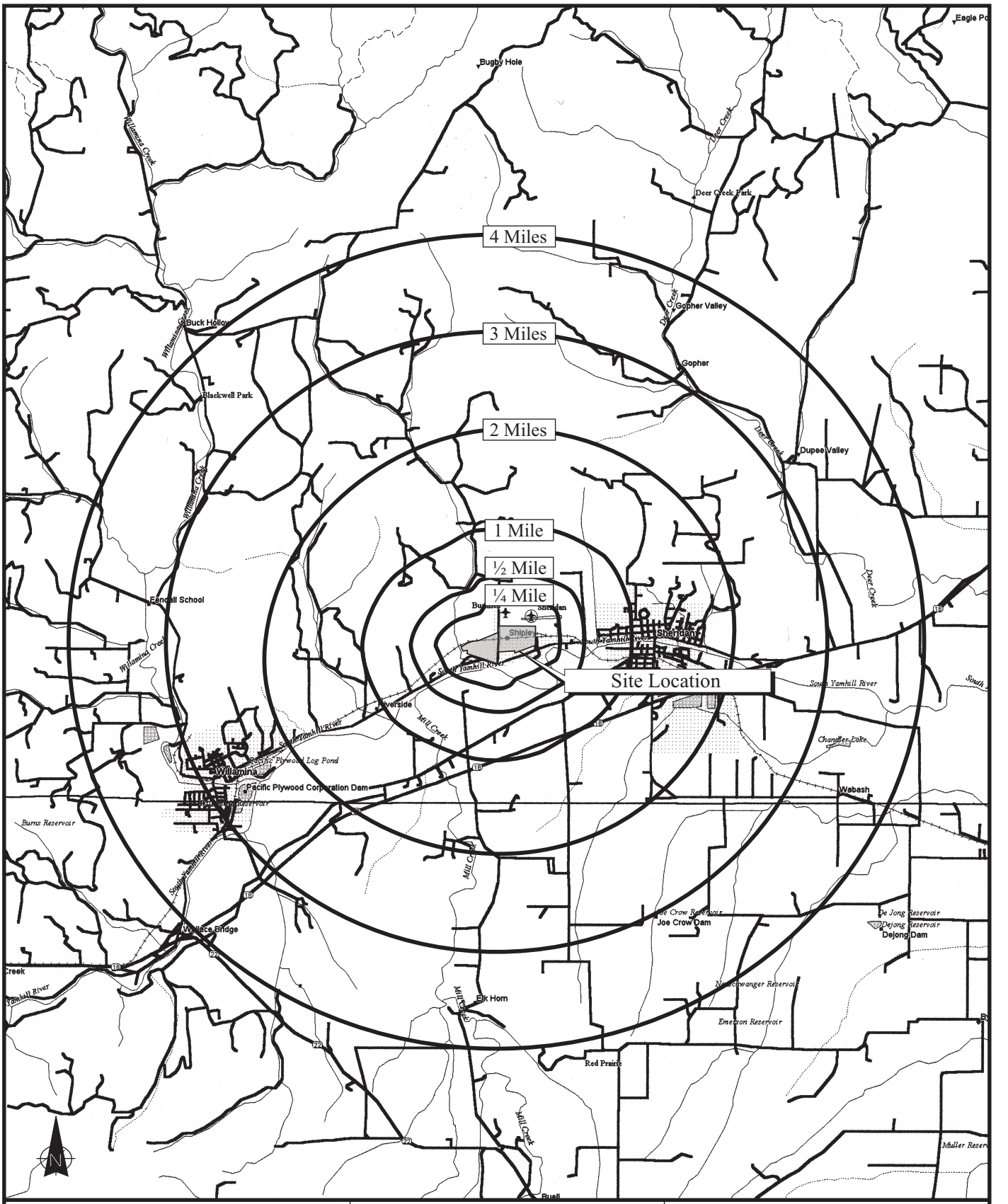
AIR SAMPLES
INORGANIC AND SEMIVOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS
FOR AUGUST 28, 1999
TAYLOR LUMBER AND TREATING
SHERIDAN, OREGON

EPA Inorganic ID	**99080319**	**99080320**	**99080314**	**99080315**	**99080316**	**99080317**	**99080318**	**PRGs for Ambient Air**
Inorganic Location ID	**H6082899**	**H7082899**	**H1082899**	**H2082899**	**H3082899**	**H4082899**	**H5082899**	
EPA Organic ID	**99080310**	**99080311**	**99080305**	**99080306**	**99080307**	**99080308**	**99080309**	
Organic Location ID	**P6082899**	**P7082899**	**P1082899**	**P2082899**	**P3082899**	**P4082899**	**P5082899**	
	Background							
Inorganics (ug/m^3)								
Arsenic	**0.0001 JB (0.00025 U)**	**0.0001 JB (0.00027 U)**	**0.002 JL**	**0.0052 JL**	**0.0001 JB**	**0.0002 JB**	**0.0001 JB**	**0.00045**
Chromium	**0.001 JL (0.0099 AC)**	**0.0003 JL (0.003 AC)**	**0.0012 JL**	**0.0009 JL**	**0.001 JL**	**0.0006 JL**	**0.0006 JL**	**0.00016**
Lead	**0.001 JL (0.0099 AC)**	**0.0009 JL (0.009 AC)**	**0.0017 JL**	**0.0013 JL**	**0.0011 JL**	**0.001 JL**	**0.0014 JL**	--
SVOCs (ug/m^3)								
2-Methylnaphthalene	**0.0131**	**0.0062**	**1.7647**	**3.9877JH (0.3988 AC)**	**0.0864**	**0.2742**	**0.0288**	--
Acenaphthene	**0.0066**	**0.0034 U**	**1.0458**	**3.3742 JH (0.3374 AC)**	**0.0279**	**0.1097**	**0.0075**	**220**
Anthracene	0.0033 U	0.0034 U	**0.0915**	**0.2025 JH (0.0202 AC)**	0.0033 U	**0.01**	0.0034 U	**1100**
Fluoranthene	0.0033 U	0.0034 U	**0.1013**	**0.2301 JH (0.023 AC)**	**0.0083**	**0.0103**	0.0034 U	**150**
Fluorene	**0.0046**	0.0034 U	**0.4902**	**2.362 JH (0.2362 AC)**	**0.0189**	**0.0613**	**0.0055**	**150**
Naphthalene	**0.0328**	**0.0082**	**4.902**	**4.2945 JH (0.4294 AC)**	**0.1229**	**0.5484**	**0.0479**	**3.1**
Phenanthrene	**0.0085**	0.0034 U	**0.5882**	**3.0675 JH (0.3067 AC)**	**0.0302**	**0.0774**	**0.0079**	--
Pyrene	0.0033 U	0.0034 U	**0.0784**	**0.1595 JK (0.016 AC)**	**0.0053**	**0.0061 JQ**	0.0034 U	**110**

Note: Only results for compounds which were detected in at least one sample were reported.
Bold type indicates concentrations above sample quantitation limits or detection limits.
Underlined type indicates result is elevated as defined in Section 5.

Key:

AC = Adjusted concentration.
B = Analyte detected below the Contract Required Detection Limits, but at or above the instrument detection limits.
EPA = United States Environmental Protection Agency.
H = High bias.
ID = Identification.
J = The analyte was positively identified. The associated numerical result is an estimate.
K = Unknown bias.
L = Low bias.
ug/m3 = Micrograms per cubic meter.
PRGs = EPA Region 9 Preliminary Remediation Goals.
Q = Analyte detected below the adjusted Contract Required Quantitation Limits.
SVOCs = Semivolatile organic compounds.
U = The analyte was not detected. The associated numerical result is the sample quanititation limit.



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TAYLOR LUMBER
AND TREATING, INC.
Sheridan, Oregon

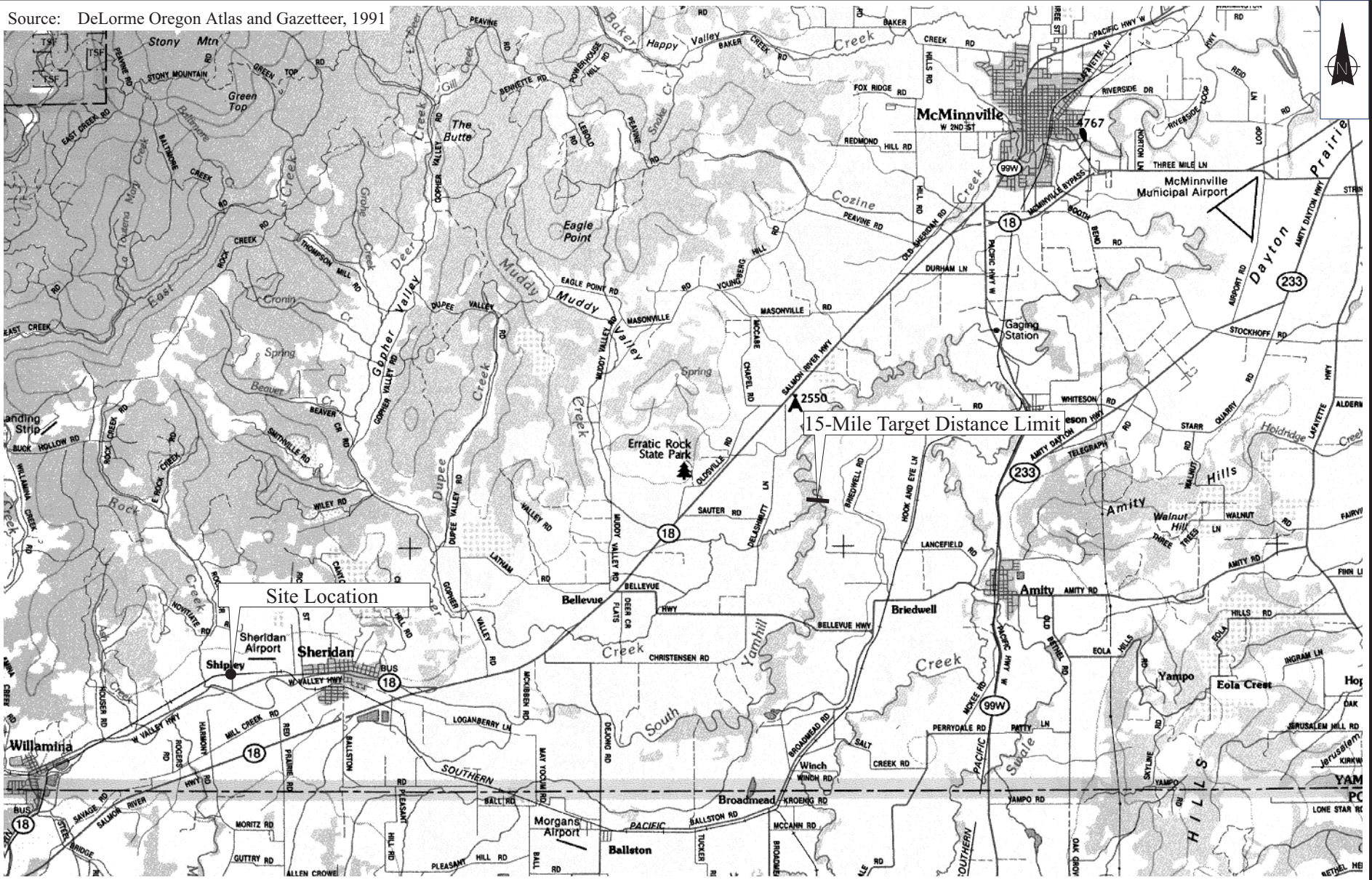
Figure 7-1

4-MILE MAP

0 1 2
Approximate Scale in Miles

Drawn:	DATE:	JOB NO.	Dwg.No.
AES	3/28/00	DC0601SIT0	DC0601 7-1

Source: DeLorme Oregon Atlas and Gazetteer, 1991



ecology and environment, inc. International Specialists in the Environment Seattle, Washington	TAYLOR LUMBER AND TREATING, INC. Sheridan, Oregon	Figure 7-2 15-MILE MAP			
	0 1.2 2.4 Approximate Scale in Miles	Drawn: AES	Date 3/28/00	Job No. DC0601SIT0	Dwg.No. DC0601 7-2

8. REMOVAL ASSESSMENT DISCUSSION

The following sections describe the removal assessment of on-site surface soils and airborne contamination (Section 8.1), on-site subsurface soils and groundwater (Section 8.2), stormwater ditches (Section 8.3), and AOCs and SWMUs (Section 8.4).

Since the IA field activities in May and June 1999, a removal action has been initiated and is currently ongoing. The removal action is being conducted by the RP's consultant, MFA. The START is performing limited components of the removal action and overseeing MFA's activities.

8.1 ON-SITE SURFACE SOILS AND AIRBORNE CONTAMINATION

8.1.1 Surface Soils

A total of 105 surface soil samples were collected from nine potential source areas of contamination at the TLT site, including the west facility (treatment plant area, treated pole storage area, white pole storage area, truck shop facility, and boiler ash and UST bioremediated soil waste pile) and east facility (end-painting facility, sawmill facility, the Moe's Mountain waste pile, and Sheridan Forest Products facility). Surface soil sample results are presented in Tables 6-1 through 6-49 and Tables F-1 through F-7 and are discussed in greater detail in Section 6. Surface soil sample results for prevalent analytes, including arsenic, PCP, benzo(a)pyrene, and TEQ were compared to EPA Region 9 PRGs for industrial soils. TEQ results were compared to PRGs for 2,3,7,8-TCDD. Analytical results and exceedances of 10 times and 100 times the PRGs for these analytes are presented on Figures 8-1 and 8-2 for west and east facility samples, respectively.

Surface soil samples collected in the west facility exceeded both 10 and 100 times the PRGs. The southeast portion of the treatment plant exceeded PRGs for arsenic (100 times) and TEQ (10 times; Figure 8-1). Surface soil samples collected in the northeastern half of the treated pole storage area also exceeded the PRGs for arsenic and TEQ (100 times) and PCP (10 times). Arsenic and TEQ also exceeded 10 times the PRGs in limited samples collected in the white pole storage area the boiler ash and UST bioremediated soil pile. None of the surface soil samples collected in the truck maintenance shop facility or east facility exceeded 10 times the PRGs for arsenic, PCP, benzo(a)pyrene, or TEQ.

8.1.2 Air

During Phases I and II of the field event, large clouds of dust were observed to be blowing off-site from the west facility. These dust clouds were generated by heavy machinery and truck traffic, as

wind gusts. Contaminants from these on-site surface soils may be migrating as airborne particulants to off-site targets, such as the nearby residential population and sensitive environments in the South Yamhill River.

A total of 98 air samples were collected during Phase II of the field event. Air samples were collected for seven consecutive 24-hour sampling periods. A discussion of sample results is presented in Section 7.4 and in Tables 7-27 to 7-33. Analytical results of air samples were compared to EPA Region 9 PRGs. Air stations A2 and A3 were located over contaminated soils in the west facility, in the southeast and northeast corners, respectively. Station A1 was located at the nearest residence east of the retort, and station A5 was located at the nearest residence west of the white pole storage area. Station A4 was located approximately 0.3 mile east of the retorts in a residential area. Stations A6 and A7 were used for background locations west and northwest of the site, respectively. Air station locations are presented on Figure 3-6.

Concentrations of arsenic, naphthalene, and PCP exceeded the PRGs in air samples. The number of sampling periods (days) that these analytes exceeded PRGs by station location are summarized in Table 8-1. The most exceedances were observed at A1 (nearest residence to the east) and A2 (located in the southeastern corner of the west facility). Exceedances also were observed at stations A3, A4, and A5.

8.2 ON-SITE SUBSURFACE SOILS AND GROUNDWATER

NAPL was observed in subsurface soil samples and groundwater samples collected around the treatment plant. Visible oil (NAPL) was observed in 17 subsurface samples collected from nine boreholes (TP-12, TP-14, TP-15, TP-16, TP-18, TP-19, TP-26, PS-06, and PS-08) at depths ranging from 6 to 20 feet bgs (Table 3-1). In addition, approximately 2 to 4 inches of dNAPL was observed in monitoring wells N1S and N2S. In general, the NAPL appears to exist in the alluvium above the siltstone.

The extent of NAPL observed in subsurface soils and groundwater by the START was similar, but slightly greater than that observed by MFA during the RCRA FI in 1996 (Figure 3-3; MFA 1997). The extent of NAPL appears to have expanded southeastward following the potentiometric gradient of the siltstone toward the South Yamhill River (Figure 3-3; MFA 1997). The extent of NAPL in subsurface soils and groundwater appears to encompass an area of approximately 125,000 ft^2 (250 feet by 500 feet) with an average thickness of approximately 4 feet. Based on these observations the total volume of NAPL impacted subsurface soils is approximately 18,500 cubic yards.

8.3 STORMWATER DITCHES

Surface water on-site sheet flows to a series of on-site, unlined ditches, retention ponds, and oil/water separators and is discharged to off-site ditches through four outfalls (Nos. 001, 002, 003, and 005). All of the surface water on site eventually flows to the South Yamhill River. The surface water pathway is described in greater detail in Section 7.2.

A total of 58 sediment and six surface water samples were collected from on- and near-site ditches. Sediment sample results for arsenic, PCP, benzo(a)pyrene, and TEQ were compared to the EPA Region 9 PRGs for industrial soils. Again, TEQs were compared to PRGs for 2,3,7,8-TCDD. Analytical results and exceedances of 10 times and 100 times the PRGs for these analytes are presented on Figure 8-3.

Sediment samples collected from every ditch in the west facility exceeded either 10 or 100 times the PRGs for arsenic. In addition, benzo(a)pyrene and TEQ exceeded 10 times the PRGs in limited number of samples collected from west facility ditches. Benzo(a)pyrene also exceeded 10 times the PRGs in two sample: MD-02-SD (6,000 µg/kg) collected from an oil/water separator retention pond in the main ditch in the treatment plant facility; and MD-04-SD (3,000 µg/kg) collected from the Main ditch west of the drip pad. Sediment samples collected from the Valley Highway ditch, south of the treatment plant facility, exceeded 10 times the PRG for arsenic. Sediments collected from the Rock Creek Road ditch, east of the treatment plant and treated pole storage area, exceeded 100 times the PRGs for arsenic and TEQ and 10 times the PRGs for benzo(a)pyrene in one sample SRD-01-SD (4,000 µg/kg; collected from the south railroad ditch adjacent to Rock Creek Road ditch). One ditch sediment sample, YR-14-SD, collected at the confluence of the Rock Creek Road ditch and the South Yamhill River, exceeded 10 times the industrial soil PRG for arsenic.

Two sediment samples collected from the east facility exceeded 10 times the PRGs for arsenic: MSD-01-SD, located in the ditch between the sawmill and end-painting facilities; and ED-03-SD, located in the east ditch, near Moe's Mountain waste pile. In addition, sample EPD-01-SD, collected next to the End-Painting building, exceeded 10 times the PRGs for TEQ.

8.4 AOCs and SWMUs

A Phase I RCRA FI was performed by MFA for TLT in 1996. Numerous SWMUs and AOCs were identified throughout the TLT facility and were listed in the FI Report (MFA 1997). During the Phase I field event in June 1999, START personnel visually inspected the SWMUs and AOCs identified by MFA. A description and location of the SWMUs and AOCs and START's findings are presented in Appendix A.

Table 8-1

NUMBER OF DAYS OF PRG EXCEEDANCES IN AIR SAMPLES TAYLOR LUMBER AND TREATING SITE SHERIDAN, OREGON

	Air Station Location						
	A2	**A3**	**A1**	**A4**	**A5**	**A6**	**A7**
Analyte	On Source	On Source	50 feet East of Source	0.3 Mile East of Source	300 Feet West of Source	0.8 Mile West of Source (Background)	0.7 Mile Northwest of Source (Background)
Arsenic	7	5	6	5	2	0	0
Naphthalene	6	0	5	1	0	0	0
PCP	0	0	0	0	1	0	0

Key:

PCP = Pentachlorophenol.

PRG = Environmental Protection Agency Region 9 Preliminary Remedial Goals.

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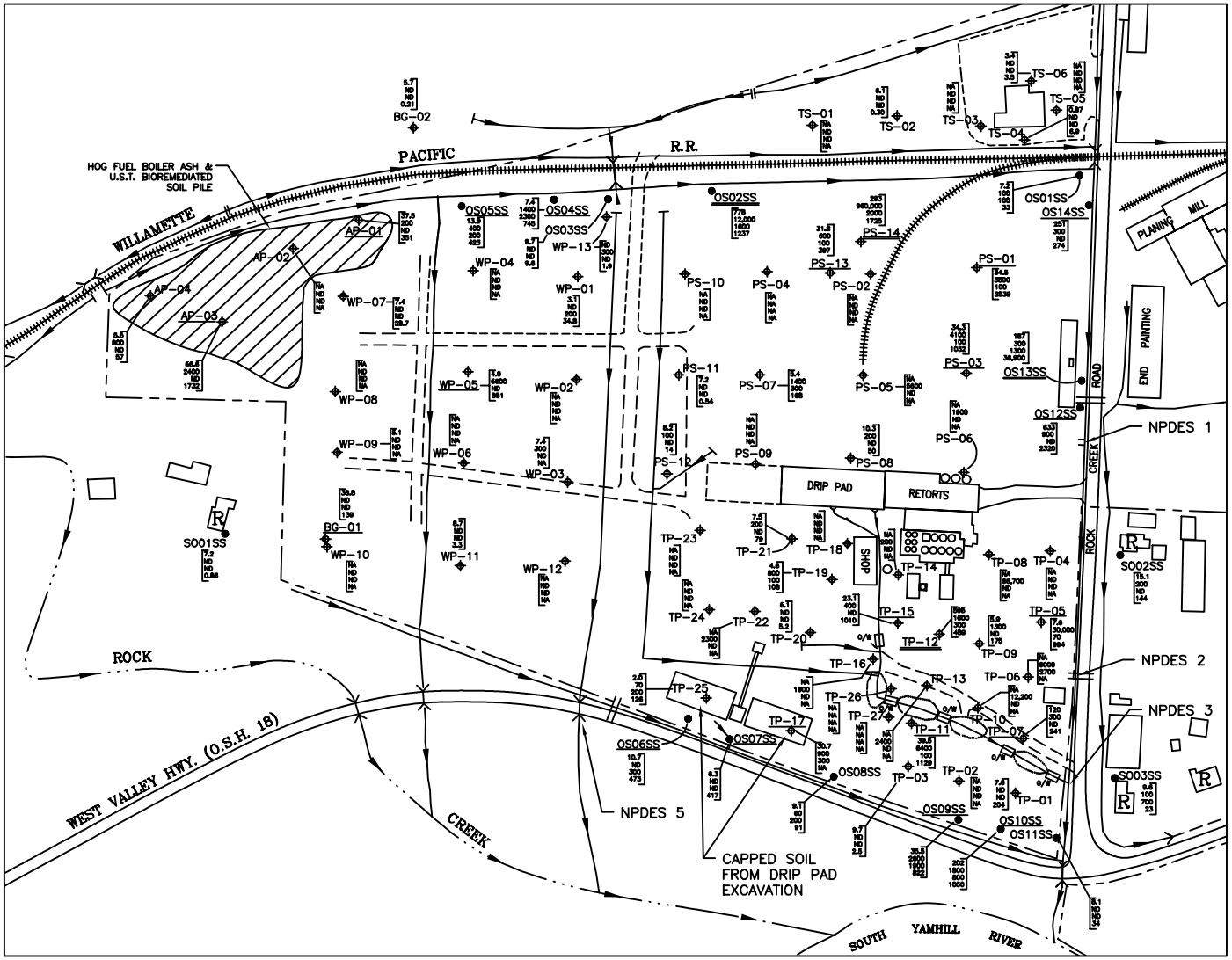

LEGEND

- TAYLOR LUMBER & TREATING FACILITY PROPERTY LINE
- SURFACE WATER DRAINAGE DITCH
- RAILROAD TRACKS
- R — RESIDENCE
- CULVERT
- O/W — OIL/WATER SEPARATOR
- SM-08 — BOREHOLE LOCATION
- SO02SS — SURFACE SOIL SAMPLE LOCATION

KEY

AP	=	ASH PILE SOIL SAMPLE
B(a)P	=	BENZO(a)PYRENE
EPA	=	ENVIRONMENTAL PROTECTION AGENCY
ug/kg	=	MICROGRAMS PER KILOGRAM
mg/kg	=	MILLIGRAMS PER KILOGRAM
NA	=	NOT ANALYZED
ND	=	NOT DETECTED
ng/kg	=	NANOGRAMS PER KILOGRAM
NPDES	=	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEMS
OS	=	ONSITE PERIMETER SOIL SAMPLE
O.S.H.	=	OREGON STATE HIGHWAY
PCP	=	PENTACHLOROPHENOL
PRG	=	EPA REGION 9 PRELIMINARY REMEDIAL GOALS
PS	=	TREATED POLE STORAGE SOIL SAMPLE
R.R.	=	RAILROAD
SO	=	RESIDENTIAL SOIL SAMPLE
TEQ	=	TOTAL EQUIVALENCE QUOTIENT
TP	=	TREATMENT PLANT SOIL SAMPLE
TS	=	TRUCK SHOP SOIL SAMPLE
U.S.T.	=	UNDERGROUND STORAGE TANK
WP	=	WHITE POLE STORAGE SOIL SAMPLE

RED COLOR DENOTES EXCEEDANCE OF 100 x PRGs.
BLUE COLOR DENOTES EXCEEDANCE OF 10 x PRGs.

TP-12
- 595 = ARSENIC CONCENTRATION (mg/kg)
- 1600 = PENTACHLOROPHENOL CONCENTRATION (ug/kg)
- 300 = BENZO(a)PYRENE CONCENTRATION (ug/kg)
- 1265 = TEQ (2,3,7,8-TCDD) (ng/kg)

BOREHOLE OR SURFACE SOIL SAMPLE LOCATION

EPA REGION 9 PRGs FOR INDUSTRIAL SOIL
- ARSENIC - 2.7 mg/kg
- PCP - 11,000 ug/kg
- B(a)P - 220 ug/kg
- TEQ - 27 ng/kg

N

SCALE IN FEET
0 100 200 300

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Seattle, Washington

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CHECKED BY: AHF
DRAWN BY: BRUCE MORRIS
APPROVED BY: XXXXXXXX

NO.	DATE	BY	DESCRIPTION

FIGURE 8-1
SURFACE SOIL SAMPLE RESULTS MAP
WEST FACILITY
TAYLOR LUMBER AND TREATING, INC.
SHERIDAN, OREGON

SCALE	DATE ISSUED	DWG. FILE NO.	DRAWING NO.
NOTED	09-22-00	DC06F08_1E.DWG	8 of 10

SEA PLOTTED: 06-02-00 BEM

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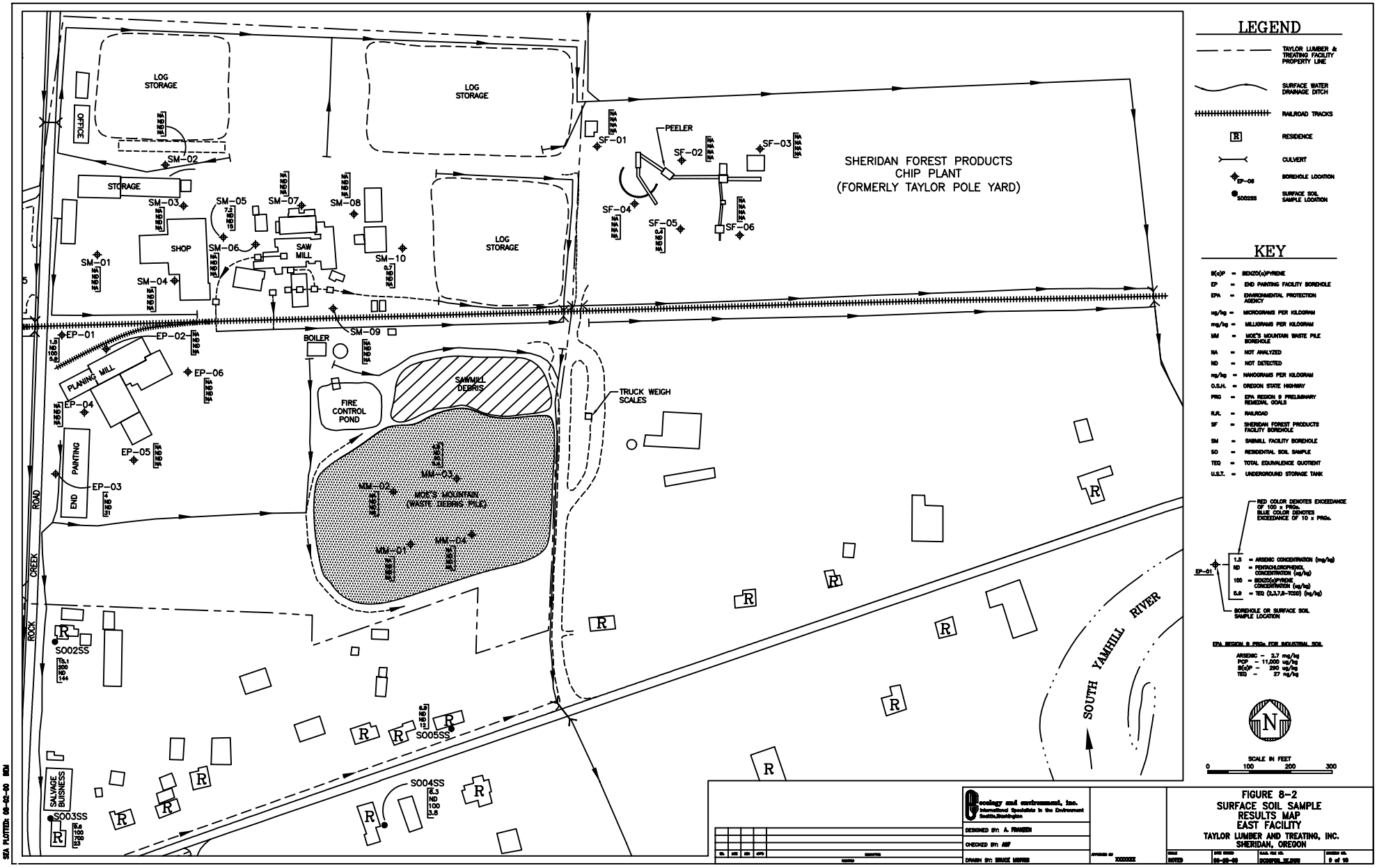

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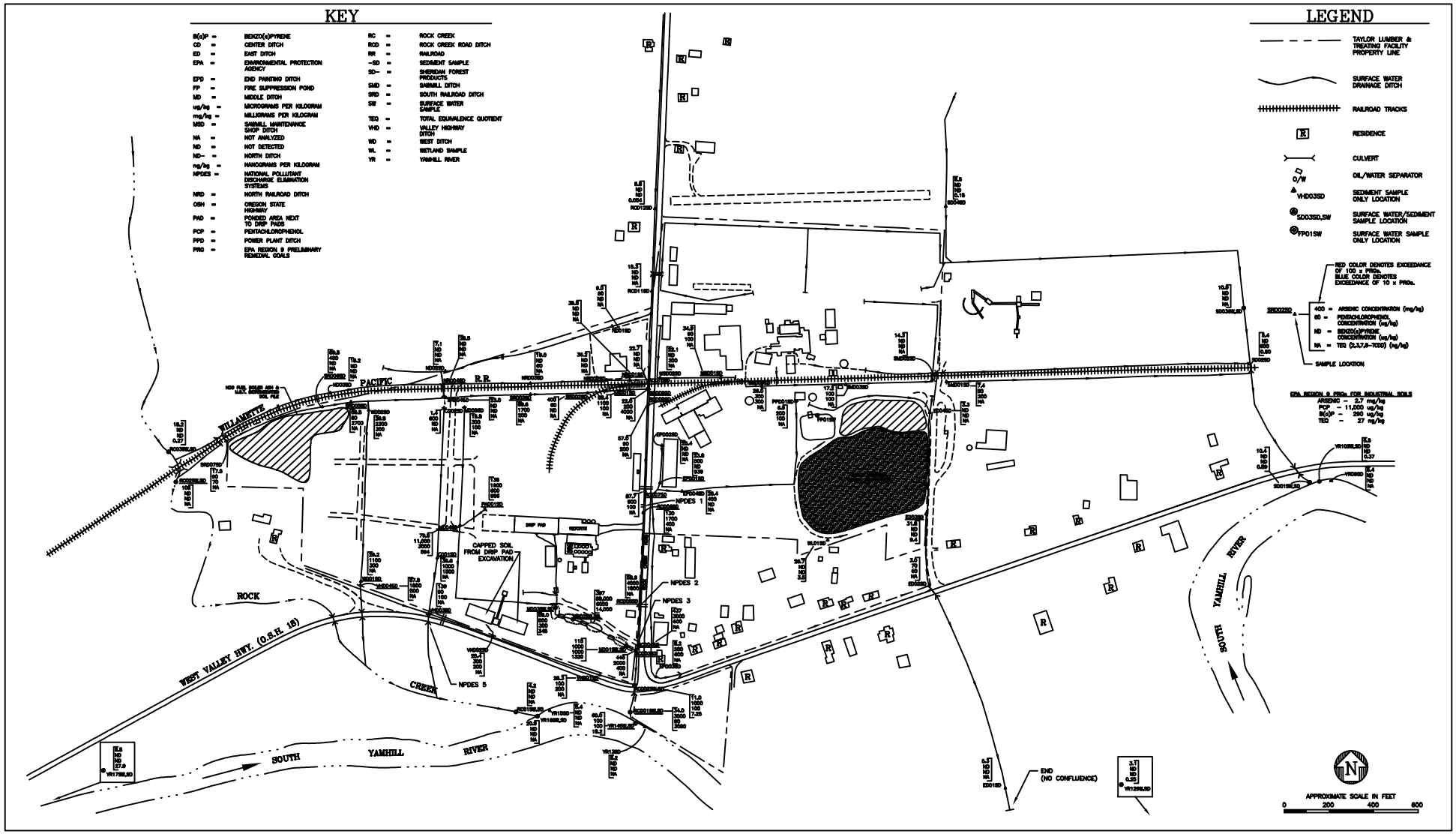

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NO.	DATE	DSN	APPD	DESCRIPTION

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CHECKED BY: AWF
DRAWN BY: BRUCE MORRIS
APPROVED BY: XXXXXXX

FIGURE 8-3
ON- & NEAR-SITE SEDIMENT RESULTS MAP
TAYLOR LUMBER AND TREATING, INC.
SHERIDAN, OREGON

SCALE	DATE ISSUED	C.A.D. FILE NO.	DRAWING NO.
NOTED	06-29-00	DC06F08_3E.DWG	10 of 10

9. SUMMARY AND CONCLUSIONS

In May, June, and August 1999, the START personnel conducted IA sampling events at the TLT site located in Sheridan, Oregon. The site is an active wood-treating facility (west facility) and sawmill (east facility). Operations at the site include wood treating, milling, planing, and end painting. Untreated wood is treated with PCP-containing creosote under pressure and heat in the facility retorts. Base oil, PCP-enriched oil, and reclaimed creosote are stored in tanks farms located in the treatment plant. Waste liquids are processed through an evaporator. Treated wood is stored on site before it is shipped by rail or truck. Untreated wood products (planed boards and poles) are also manufactured on site at the facility's sawmill and planing mill. The ends of planed boards are treated (painted) for preservation at the end-painting facility. Two waste piles are located on the site and contain debris, wood waste, ash from the facility boiler, and soil excavated during a UST removal that was bioremediated for BTEX.

Numerous investigations and removals have occurred at the site. This year, the START made two emergency responses to two spills at the site. Product was released into off-site ditches, and the removal of ditch sediments was performed. A removal action is ongoing at the site and was initiated in October 1999. Stained soils exist throughout the west (wood-treating) facility. NAPL was observed in the subsurface soils and groundwater under the treatment plant. The South Yamhill River is located approximately 300 feet south and downstream of the treatment plant's main stormwater outfall. The South Yamhill River is an anadromous fish habitat, and the City of Sheridan, located approximately 0.5 mile east of the site, has a municipal drinking water intake approximately 1.5 miles downstream of the site.

The IA involved the collection of samples from potential hazardous substance source areas and from target areas potentially impacted through contaminant migration. A total of 754 samples were collected, including background samples and QA samples. Samples were collected from on-site surface and subsurface soils; tank product; on-site oil/water retention ponds (surface water and sediment); on- and near-site stormwater ditch surface water and sediment; groundwater; residential surface soils; surface water and sediment in downstream surface water bodies; and on- and off-site ambient air. Samples were analyzed off-site by four EPA CLP laboratories and five commercial laboratories, as well as on site by the ESAT (field screening analysis).

9.1 SOURCES

Samples were collected from three product tanks, seven on-site soil source areas, two on-site waste piles, three oil/water separator retention ponds, and one fire protection pond.

The product samples collected from on-site tanks were not compared to a background sample; however, examination of the product analytical data indicates this material is a source of SVOCs and dioxin. The most notable constituents of the product samples include percent concentrations of cPAHs, PCP (43,000,000 µg/kg), naphthalene (41,000,000 µg/kg), and TEQ (938 ng/kg).

The on-site soil sources in the west facility, including the treatment plant facility, treated pole storage area, and white pole storage area, contained significant concentrations of SVOCs, inorganic elements, VOCs, pesticides, PCBs, and dioxin. SVOCs, inorganic elements (most notably arsenic and mercury), and dioxin were detected at significant concentrations in surface soils in all of these sources. SVOCs, VOCs, inorganic elements, and dioxin were most prevalent in subsurface soils in the treatment plant facility. A summary of significant contaminant concentrations is presented in Table 9-1.

NAPL (creosote) was observed visually in the subsurface soil samples under the treatment plant encompassing an area of approximately 125,000 ft^2 (250 feet by 500 feet) to depths ranging from 6 to 20 feet bgs. The extent of NAPL in subsurface soils appears to have expanded toward the southeast in the direction of the potentiometric gradient of the siltstone and toward the South Yamhill River.

One on-site soil source in the east facility (end-painting , sawmill, and Sheridan Forest Products facilities) contained limited significant concentrations of SVOCs (2), inorganic elements (2), and dioxin (1). A summary of significant contaminant concentrations in on-site soil sources is presented in Table 9-1.

Significant concentrations of SVOCs, inorganic elements, VOCs, pesticides, and dioxin. SVOCs, metals, and dioxin were prevalent in both on-site waste piles (boiler ash and UST bioremediated soil waste pile and Moe's Mountain). Most notable constituents in the boiler ash and UST bioremediated soil waste pile were arsenic, trichloroethene, and PCP. The most notable constituents in Moe's Mountain waste pile were SVOCs and arsenic. A summary of significant contaminant concentrations in on-site waste piles is presented in Table 9-2.

On-site oil/water separator retention ponds contained significant concentrations of SVOCs, inorganic elements, and dioxin. The most notable constituents of the retention pond sediments were cPAHs, PCP (58,000 µg/kg), benzo(a)pyrene (6000 µg/kg), arsenic (397 mg/kg), and TEQ (14,000 ng/kg). The most notable constituents of the retention pond surface waters were bis(2-ethylhexyl)phthalate (18 µg/L), arsenic (73.0 µg/L), and TEQ (299 pg/L). A summary of significant contaminant concentrations in on-site oil/water separator retention ponds is presented in Table 9-2.

9.2 TARGETS

This section addresses the sample results as they relate to the groundwater, surface water, soil exposure, and air pathways.

9.2.1 Groundwater Migration Pathway

Groundwater samples collected from on-site monitoring wells and piezometers, screened in the shallow alluvial aquifer, contained elevated concentrations of SVOCs, inorganic elements, VOCs, pesticides, and dioxin. In addition, dNAPL was observed in two wells near the retorts in the treatment plant that were within the area of observed NAPL in subsurface soils. The most notable constituents in the alluvial groundwater samples include percent concentration of cPAHs, PCP (200 µg/L AC), naphthalene (99,000,000 µg/kg [in NAPL]), mercury (86.3 µg/kg [in NAPL]), chromium (91,000 µg/L), and TEQ (295 pg/L). It should also be noted that PCP (60 µg/L) and dioxin were detected at elevated concentrations in piezometer samples located adjacent to the southern boundary of the treatment plant. Additionally, elevated concentrations of inorganic elements (lead at 7.8 µg/L) and dioxins were detected in monitoring wells located south of the treatment plant facility and within 100 feet of the South Yamhill River.

Groundwater samples collected from on-site monitoring wells, screened in the deeper siltstone aquifer, contained elevated concentrations of inorganic elements and dioxin. The most notable constituents in the siltstone groundwater samples include lead (4.3 µg/L), mercury (4.7 µg/L), and TEQ (381 pg/L).

Groundwater flow is thought to follow the potentiometric gradient of the siltstone layer toward the southeast and the South Yamhill River. The river channel intersects the alluvium and siltstone aquifers, and these are thought to be interconnected with the river.

The nearest residential drinking water well did not contain elevated concentrations of contaminants. Two dioxin/furan congeners were detected in this well sample which resulted in a TEQ of 0.151 pg/L. The EPA MCL goal for TEQ is 0 pg/L. A summary of elevated contaminant concentrations in groundwater sample is presented in Table 9-3.

9.2.2 Surface Water Migration Pathway

Sediment samples collected from Rock Creek contained elevated concentrations of arsenic (108 mg/kg). Arsenic was detected in on-site soils in the boiler ash and UST bioremediated soil waste pile and in the white pole storage area. The sediment samples collected from the south railroad ditch indicate that arsenic is entering Rock Creek through runoff from the boiler ash and UST bioremediated soil waste pile and white pole storage area.

Sediment samples collected from the South Yamhill River contained elevated concentrations of SVOCs and inorganic elements. All of these compounds were detected in on-site product, soils, and retention pond sediments. The sediment samples collected from the Rock Creek Road ditch and the Valley Highway ditch indicate that these contaminants are migrating from the site to the South Yamhill River through runoff from the west facility. It does not appear that use of the Willamette Pacific Railroad tracks, which run through the site, is contributing significant amounts of contaminants to ditch sediments.

Surface water samples, collected at PPE 2 from the same location in the South Yamhill River, contained elevated concentrations of mercury (8.7 µg/L). Two South Yamhill River surface water samples, collected downstream of this PPE, contained elevated concentrations of mercury. One sample, collected approximately 1 mile downstream of the PPE, contained mercury at 9.2 µg/L. The other sample, collected at the Sheridan municipal drinking water intake, exceeded EPA MCLs for drinking water. A sediment sample collected in the South Yamhill River approximately 100 yards downstream of the municipal intake also contained mercury at an elevated concentration (0.32 mg/kg).

Mercury was detected at significant concentrations in on-site soils. Mercury also was prevalent at elevated concentrations in the west facility stormwater ditch sediments and groundwater, indicating that mercury is entering the South Yamhill River through runoff and possibly a groundwater to surface water migration. Mercury was also detected at elevated concentrations in east facility ditch sediments.

Sediments collected in an EPA-recognized wetland adjacent to the Moe's Mountain waste pile contained elevated concentrations of arsenic, mercury, selenium, and dioxin. All of these compounds, except mercury and selenium, were detected at significant concentrations in Moe's Mountain waste pile and indicate that contaminants from this source are entering the wetland through runoff. Mercury and selenium were detected in on-site surface soil sources in the west facility and may be migrating to the wetland through the air migration pathway as fugitive dust. A summary of elevated contaminant concentrations in target surface waters and sediment is presented in Table 9-3.

9.2.3 Soil Exposure Pathway

On-site surface soil samples contained significant concentrations of SVOCs, inorganic compounds, pesticides/PCBs, and dioxin. Ninety-eight people employed at the TLT Facility are potentially exposed to these contaminants.

Contaminants from on-site surficial soils may have migrated from the site through the air pathway as re-entrained dust. Prevailing winds at the site are from the west and southwest. Large clouds of dusts were observed by START to be blowing from areas of observed surficial contamination in the west facility and entering the residential community to the east of the site. Residential surface soil samples collected from yards of residents located up to 1 mile east of the west facility sources contained

elevated concentrations of SVOCs, inorganic compounds, and dioxin. One residential yard soil sample located within 0.25 mile north of on-site source areas contained elevated concentrations of SVOCs, and one residential yard soil sample located within 0.25 mile west contained inorganic elements and dioxin. It should be noted that pesticides, primarily 4,4-DDE and 4,4-DDT, were observed at elevated concentrations in almost all of the residential yard soils; however, concentrations were observed to be independent of distance from the sources and are not believed to be attributable to the TLT site. A summary of elevated contaminant concentrations in target residential soils is presented in Table 9-3.

9.2.4 Air Migration Pathway

On-site and residential ambient air samples contained elevated concentrations of cPAHs, PCP, arsenic, and lead. All of these analytes were detected at significant concentrations in on-site source surface soils. Ambient air samples were collected for seven consecutive 24-hour sampling periods. Significant concentrations of cPAHs were observed in downwind samples during all seven sampling periods. Significant concentrations of inorganic elements were observed in downwind samples during six of the seven sampling periods. Significant concentrations also were observed in ambient air samples up to 0.8 mile downwind of the site. Maximum ambient air concentrations were observed at the eastern boundary of the treatment plant facility and at a residence located immediately east of the treatment plant retorts. Concentrations of the same contaminants found at these locations decreased with increasing distance from the source soils. Concentrations of arsenic, naphthalene, and PCP in ambient air samples also exceeded EPA Region 9 PRGs in both on-site and residential locations for at least six of the seven sampling periods and up to 0.3 mile downwind of the site. A summary of elevated contaminant concentrations in air samples is presented in Table 9-3.

Contaminants from on-site surface soil sources in the west facility may be migrating to downwind targets, such as residential soils, an EPA-recognized wetland, and the South Yamhill River through wind entrainment and re-deposition of particulate matter.

9.3 CONCLUSIONS

Results of the IA indicate that the TLT site is a source of hazardous substance contamination, including SVOCs, inorganic compounds, VOCs, pesticides, PCBs, and dioxin. The Willamette Pacific Railroad, which runs through the site, does not appear to be contributing to downstream contamination, based on sediment ditch samples. The IA documented that contaminants have been and continue to be released to Rock Creek, the South Yamhill River, and an EPA-recognized wetland through site runoff and facility practices. Elevated concentrations of contaminants documented during the IA have impacted a municipal drinking water intake (serving approximately 2,132 people) on the South Yamhill River approximately 1.5 miles downstream of the site. Furthermore, sport fisheries and a critical habitat and

critical migratory corridor for federal threatened and state endangered anadromous fish species exist within the zone of actual contamination; wetlands that exist in the South Yamhill River area within the 15-mile TDL could be impacted. In addition, NAPL observed in subsurface soils and groundwater appears to be migrating toward the South Yamhill River and may impact it through migration from groundwater to surface water.

The IA further documented that on-site workers are being exposed to on-site surface soil contaminants and that these contaminants are being released as dust to downwind residents, wetlands, and the South Yamhill River.

Table 9-1

SUMMARY OF MAXIMUM SIGNIFICANT CONTAMINANT CONCENTRATIONS IN ON-SITE SOIL SOURCES TAYLOR LUMBER AND TREATING SITE SHERIDAN, OREGON

Analyte	Source Areas								
	Tanks	Treatment Plant Facility	Treated Pole Storage Area	Perimeter Surface Soils	White Pole Storage Area	Truck Shop	End-Painting Facility	Sawmill Facility	Sheridan forest Products
Arsenic (mg/kg)	NA	340 AC	293	778	71.8	--	--	--	--
Mercury (mg/kg)	NA	--	--	0.41	--	--	--	--	--
PCP (µg/kg)	43,000,000	30,000	960,000	12,000	660	--	--	--	--
B(a)P (µg/kg)	--	10,000	300	2,300	200	--	--	--	--
Naphthalene (µg/kg)	41,000,000	950,000	600	300	--	--	--	--	--
TEQ (pg/kg)	938	1265.3	2539	36,900	851	--	--	--	--
Total Number of Significant Contaminants									
SVOCs	14	19	15	18	10	0	2	1	0
Inorganics	NA	6	8	11	5	0	2	3	1
VOCs	NA	12	1	0	2	0	1	0	0
Pesticides/ PCBs	NA	1	0	2	6	1	0	0	0

Key:

AC = Adjusted concentration.

B(a)P = Benzo(a)pyrene.

µ/kg = Micrograms per kilogram.

mg/kg = Milligrams per kilogram.

NA = Not analyzed.

PCB - Polychlorinated biphenyls.

PCP = Pentachlorophenol.

pg/kg = picograms per kilograms.

SVOCs = Semivolatile organic compounds.

TEQ = Total equivalence factor.

VOCs. = Volatile organic compounds.

Table 9-2

SUMMARY OF MAXIMUM SIGNIFICANT CONTAMINANT CONCENTRATIONS IN ON-SITE WASTE PILES AND POND SOURCES TAYLOR LUMBER AND TREATING SITE SHERIDAN, OREGON

Analyte	Source Areas				
	Boiler Ash and UST Bioremediated Waste Pile	Moe's Mountain Waste Pile	Oil/Water Separator Retention Ponds (Surface Water)	Oil/Water Separator Retention Ponds (Sediment)	Fire Protection Pond (Surface Water)
Arsenic	66.6 mg/kg	108 mg/kg	73.0 µg/L	397 mg/kg	--
Mercury	--	--	--	--	2.5 µg/L
PCP	18,000 mg/kg	--	--	58,000 mg/kg	--
B(a)P	2,300 mg/kg	--	--	6,000 mg/kg	--
TCE	75 µg/kg	--	—	—	—
TEQ	1,732 ng/kg	--	299 pg/L	14,000 ng/kg	0.08477 pg/L
Total Number of Significant Contaminants					
SVOCs	13	11	1	16	0
Inorganics	6	3	5	2	2
VOCs	3	0	0	0	0
Pesticides/ PCBs	2	0	0	0	0

Key:

AC = Adjusted concentration.
B(a)P = Benzo(a)pyrene.
µ/kg = Micrograms per kilogram.
µg/L = Micrograms per liter.
mg/kg = Milligrams per kilogram.
NA = Not analyzed.
PCB - Polychlorinated biphenyls.
PCP = Pentachlorophenol.
pg/L - Picograms per liter.
pg/kg = picograms per kilograms.
SVOCs = Semivolatile organic compounds.
TEQ = Total equivalence factor.
TCE = Trichloroethylene.
VOCs. = Volatile organic compounds.

Table 9-3

SUMMARY OF MAXIMUM ELEVATED CONTAMINANT CONCENTRATIONS IN TARGETS TAYLOR LUMBER AND TREATING SITE SHERIDAN, OREGON

Analyte	Groundwater Pathway			Surface Water Pathway				Soil Exposure Pathway	Air Pathway
	Alluvial Aquifer	Siltstone Aquifer	Residential Well	Stormwater Ditches (Sediment)	Stormwater Ditches (Surface Water)	River/ Creek Sediment	River/ Creek Surface Water	Residential Soils	Air Samples
Arsenic	10.2 µg/L	--	--	445 mg/kg	11.6 µg/L	108 mg/kg		--	0.0052 µg/m^3
Mercury	86.3 µg/L	4.7 µg/L	--	0.55 mg/kg		0.32 mg/kg	9.2 µg/L	0.42 mg/kg	NA
PCP	200 µg/L AC	--	--	4,000 µg/kg				--	0.2914 µg/m^3
B(a)P	1,200,000 µg/L	--	--	3,000 µg/kg		100 µg/kg		700 µg/kg	NA
Naphthalene	99,000,000 µg/L	--	--	300 µg/kg				1,100 µg/kg	13.8614 µg/m^3
TEQ	295 pg/L	381 pg/L	0.151 pg/L	3,080 ng/kg	30.89 pg/L		0.11 pg/L	144 ng/kg	NA
Total Number of Significant Contaminants									
SVOCs	19	0	0	19	1	8	0	18	10
Inorganics	11	3	0	9	4	3	3	6	2
VOCs	5	0	0	2	0	0	0	0	NA
Pesticides/ PCBs	1	0	0	0	0	0	0	8	NA

Key:

AC = Adjusted concentration.

B(a)P = Benzo(a)pyrene.

µ/kg = Micrograms per kilogram.

µg/L - Micrograms per liter.

µg/m^3 = Micrograms per cubic meter of air.

mg/kg = Milligrams per kilogram.

NA = Not analyzed.

PCB - Polychlorinated biphenyls.

PCP = Pentachlorophenol.

pg/kg = picograms per kilograms.

pg/L = Picograms per liter.

SVOCs = Semivolatile organic compounds.

TEQ = Total equivalence factor.

VOCs. = Volatile organic compounds.

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