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ERIC COLLINS

Report

Pre-Remedial Investigation Assessment Report

Linnton Plywood Association
Portland, Oregon

Prepared for

Linnton Plywood Association

February 2002

Prepared by

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SECTION 1

Introduction

This report presents the results of the Preliminary Remedial Investigation (Pre-RI) Assessment conducted at the Linnton Plywood Association (LPA) facility located at NW St. Helens Road, Portland, Oregon.

Pre-RI Assessment activities included a review of the site operational history to identify potential source areas and migration pathways for hazardous substance migration to the Willamette River. Following this review, soil, sediment, and groundwater sampling was performed pursuant to the *Sampling and Analysis Plan* (April 2001, CH2M HILL) as approved by the DEQ. The objectives of the sampling and this Report were to:

- Satisfy Section III of the Scope of work for the June 5th, 2000 Voluntary Agreement between LPA and DEQ;
- Gather sufficient data to determine whether further action is needed to assure protection of present and future public health, safety and welfare or the environment;
- Determine whether there is any present source and pathway for the release of hazardous substances to surface water or the Willamette River sediments at or from the LPA facility for which DEQ could require a removal or remedial action under ORS 465.200 et seq.;
- Gather sufficient information to request that DEQ re-evaluate the priority of the LPA facility and determine if the facility presents a high priority threat to present and future public health safety and welfare or to the environment.

Agreement Obligations

Pursuant to the Agreement between LPA and DEQ, LPA elected to conduct a Pre-RI Assessment of the facility.

According to the Agreement, no further work will be required under the Agreement if DEQ reasonably determines that there is no likely present source and pathway for the release of hazardous substances to surface water or sediments from the LPA facility, for which DEQ could require a removal or remedial action under *Oregon Revised Statutes* (ORS) 465.200 et. seq.

Furthermore, should the Pre-RI Assessment provide enough information for DEQ to re-evaluate the priority of the facility, LPA may request that DEQ perform this re-evaluation of the site priority. If DEQ determines that the facility no longer presents a high priority threat to present and future public health, safety, and welfare or the environment, no further RI work with respect to the uplands portion of the LPA facility will be required under the Agreement and Scope of Work.

The Pre-RI Assessment was conducted in accordance with the Agreement, the *Pre-Remedial Investigation Assessment Work Plan* (December 2000, CH2M HILL), and the *Sampling and Analysis Plan* (April 2001, CH2M HILL).

Report Organization

The Pre-RI Assessment is organized as follows:

- Introduction (Section 1) discusses the purpose of this work and the Agreement obligations.
- Facility Background (Section 2) summarizes facility background and current operations.
- Investigation Methodology (Section 3) discusses the October 2001 site investigation methodology.
- Summary of Results (Section 4) compares site contaminant concentrations to certain selected screening levels.
- Conclusions (Section 5) presents conclusions and recommendations and requests that DEQ:
  - Reasonably determine that there is no likely present source and pathway for the release of hazardous substances to surface, water or sediments at or from the LPA facility for which DEQ could require a removal or remedial action under ORS 465.200 et seq.;
  - Alternatively, DEQ is requested to re-evaluate the priority of the LPA facility and determine that the facility does not present a high priority threat to present, future public health, safety, and welfare or the environment.

SECTION 2

Facility Background

Information about the physical characteristics of the LPA facility and past practices is briefly summarized in this section. Additional site information can be found in the *Pre-Remedial Investigation Assessment Work Plan* (December 2000, CH2M HILL).

The LPA facility is located within or near the Portland Harbor, a 6-mile-long reach of the Willamette River between Sauvie Island and Swan Island. Figure 1 is a site location map. The site is east of Oregon Highway 30, in the Linnton community of Portland, Oregon. The LPA facility consists of 26.5 acres, of which 16 acres were used for manufacturing activities. Columbia River Sand and Gravel (CRSG) leases the remainder of the property. CRSG barges clean sand from the Columbia River to the LPA site for redistribution onto trucks.

Since the early 1950s, LPA has operated a plywood manufacturing operation at the site. LPA purchased the subject property in December 1971 from Spokane, Portland & Seattle Railway Company and Burlington Northern, Inc.

Materials previously used at the facility include phenol-formaldehyde resin, sodium hydroxide, and petroleum hydrocarbons, such as oil, diesel, and kerosene. Facility operations included processing the raw logs, drying the veneer, patching the veneer, and gluing, pressing and coating the veneer into the final product. A more detailed discussion of facility operations is in the *Pre-Remedial Investigation Assessment Work Plan* (December 2000, CH2M HILL). This work plan also provides a detailed historical review of the site including historical aerial photograph review, stormwater drainage patterns, historical operations, and the facility timeline.

Current Facility Conditions

Due to financial difficulties and poor market conditions, LPA ceased plywood manufacturing operations on December 17, 2001. Equipment and materials at the site are being liquidated. LPA plans to sell the property and is considering different options.

In the interim, LPA will continue to lease a portion of the property to CRSG.

SECTION 3

Investigation Methodology

Pre-RI Assessment activities were conducted by CH2M HILL from October 16 through October 19, 2001. Investigation activities followed procedures detailed in the *Pre-Remedial Investigation Assessment Work Plan* (December 2000, CH2M HILL) and the *Sampling and Analysis Plan* (April 2001, CH2M HILL). Additional changes were made to the sampling plan through comments by DEQ's project manager, Mr. Don Pettit, in an e-mail to Mr. Jeff Gentry of CH2M HILL dated June 19, 2001. This section describes the procedures followed during collection of soil, sediment, and groundwater samples.

Utility Clearances

Prior to sampling, an underground and aboveground utility clearance was completed by Locates Down Under, Inc. No underground utilities were located at the site that prevented the planned sampling activities.

Field Investigation

Table 1 presents the sample locations and analytes for the Pre-RI Assessment. Photographs of the sample locations are included in Appendix A. Sample locations are shown in Figure 2 and Figure 3.

Appendix B includes the laboratory analytical data packages for the samples.

Surface Soil and Catch Basin Soil Samples

Soil samples were collected at a depth of zero to 6 inches using disposable stainless steel spoons. Subsurface soil samples were collected at a depth of 2 feet below ground surface using a shovel to remove surface soil and a disposable stainless steel spoon to collect the sample at depth. Soil samples were collected following the same procedure as the subsurface soil samples. A DEQ representative was present during surface and sediment sampling.

On October 25, 2001, DEQ Project Manager requested that the maintenance shop soil sample be analyzed for polychlorinated biphenyls (PCBs). The DEQ Project Manager also stated that the PCB analysis for the Outfall 6 sample could be eliminated. However, the samples had already been analyzed.

Groundwater Samples

Groundwater samples were collected from nine locations at the LPA facility (see Figures 2 and 3 for sample locations). To collect the samples, 1-inch-diameter temporary wells were installed and left in place for 2 days. The wells were installed to a depth where groundwater was encountered. Six of the nine wells were installed with 10-foot screens. Depth and screen locations are shown in Table 2. The remaining three wells were drilled to a depth known to

be within the water table and hence the wells were given 4-foot screens. Photoionization detector (PID) readings were taken during installation of the wells, with the exception of the last well, where PID sampling did not occur.

TABLE 1
Sampling Locations and Analytes
Linnton Plywood Association, Portland, Oregon

Sample Locations/Media	No. of Samples for each Analysis/Method								
	Semi-Volatiles 8270	VOCs 8260	PCBs 8082	Cadmium 6010	Chromium 6010	Copper 6010	Lead 6010	Zinc 6010	TPH SW 8015
Outfall 6 – Sediment	1		1	1	1	1	1	1	1
Auto Repair – Soil	1	1		1	1		1		1
Auto Repair – Groundwater	1	1		1	1	1	1		1
Steam Cleaning – Soil	1	1		1	1		1		1
Steam Cleaning – Groundwater	1	1		1	1		1		1
Outfall 5 – Surface Soil	2	2	1	2	2	1	2	2	2
Outfall 5 – Subsurface Soil	2	2		2	2		2	2	2
Maintenance Shop – Soil	1	1		1	1		1		1
Maintenance Shop – Groundwater	1	1		1	1	1	1		1
Green End – Groundwater	1			1	1		1		1
Catch Basin 3A – Soil	1	1	1	1	1	1	1	1	1
Catch Basin 3 – Soil	1	1	1	1	1	1	1	1	1
Boiler House – Groundwater	1								1
Catch Basin 2 – Soil	1	1		1	1	1	1	1	1
Wigwam Burner – Groundwater	1			1	1	1	1		1
Sander Dust Ash – Groundwater	1			1	1		1		1
Clarke and Wilson (Center) – Groundwater	1								
Clarke and Wilson (South) – Groundwater	1								
Total Samples per Analysis	**20**	**14**	**4**	**17**	**17**	**8**	**17**	**8**	**18**

Table 2 presents a summary of the temporary well parameters.

TABLE 2
Summary of Temporary Well Parameters
Linnton Plywood Association, Portland, Oregon

Temporary Well Location	Installation Depth (feet)	Screen Location (feet)	Depth to Water (feet)	PID Reading (ppm)
Auto Repair	40	30-40	31.5	0.1
Steam Cleaning	40	36-40	34	0.2
Maintenance Shop	32	22-32	28.6	0.5
Green End	28.5	18.5-28.5	23.8	0.1
Boiler House	30	20-30	24	0.1
Wigwam Burner	32	22-32	25	1.6
Sander Dust Ash	38	28-38	33.52	1.3
Clark and Wilson (Center)	40	36-40	23.9	1.9
Clark and Wilson (South)	40	36-40	31	NR

Notes:
NR = no reading taken
ppm = parts per million

Water samples were collected over a period of two days. Some of the groundwater wells yielded minimal water due to the tight soil formations and the silty particles encountered in the area. The wells were slow to recharge and the groundwater samples collected had high turbidity. As a result, groundwater sampling took longer than anticipated. At the auto repair location, the yield of groundwater was insufficient to collect the full suite of samples presented in the work plan. The volatile organic sample and gasoline samples were collected; semi-volatile, chromium copper, lead and diesel samples were not due to the larger sample volume needed for these analyses. The decision to collect the volatile organic sample and gasoline sample was based on the fact that these samples only require a small VOA bottle, compared to the other analyses that require a liter or more of water.

The field conditions were communicated to DEQ at the time and the revised sampling approach was approved.

Analytical Data

Samples were analyzed by CH2M HILL's Applied Science Laboratory in Corvallis, Oregon. Laboratory data sheets for the sample analysis are presented in Appendix B.

Quality Assurance/Quality Control

Sampling efforts for this project were conducted in accordance with U.S. Environmental Protection Agency (EPA) guidelines for quality assurance/quality control (QA/QC) as specified in the work plan. QA/QC measures included:

- Chain-of-Custody

- Holding time
- Laboratory blank review
- Detection limits

A discussion of these QA/QC measures is presented below.

The level of reporting from the laboratory was Level 1, which includes sample and method blank results, field QC sample results, and surrogate recoveries. The laboratory case narrative stated that all samples met all acceptable criteria calibrations, duplicate sample, spike sample, surrogate recoveries, and lab control sample protocols and that all analyses proceeded normally.

Investigation-Derived Waste

Generation of investigation-derived waste (IDW) at the site was minimized during field activities by using dedicated sampling equipment that did not require decontamination between sampling locations. IDW included soil from temporary well installation and decontamination water used during sampling. Drilling and decontamination water was kept onsite in a drum labeled appropriately.

SECTION 4

Results

Soil and groundwater analytical results were compared to these selected DEQ and EPA screening levels. Details of the standards are given below.

For soil:

- DEQ Numerical Soil Cleanup Levels (OAR–340-122-045): This rule provides cleanup levels for hazardous substances in soil only. Both industrial and residential levels are referenced.
- EPA Region 9 PRGs: PRGs are tools for evaluating and cleaning up contaminated sites. They are risk-based concentrations derived from standardized equations, combining exposure information assumptions and EPA toxicity data. Both industrial and residential levels are referenced.
- *Generic Remedies for Soils Contaminated with Polychlorinated Biphenyls (PCBs)*: This document is the result of a joint effort by DEQ and the electrical utility industry to facilitate the cleanup of sites contaminated with PCBs. The guidance uses the streamlining elements of the revised Hazardous Substance Remedial Action Rules adopted in January 1997. Both industrial and residential levels are referenced.
- DEQ Underground Storage Tank Matrix Cleanup Levels (OAR 340-122-0320): These levels are used for the cleanup of soils impacted by leaking underground storage tanks. The regulation uses a matrix scoring to determine the cleanup level for gasoline and diesel range hydrocarbons. The gasoline range hydrocarbons cleanup level assumes that aromatic hydrocarbons (e.g., benzene) is present at the LPA site. No aromatic hydrocarbons were detected in the samples above relevant method detection limits. Because the source of the gasoline range hydrocarbons at the site is assumed to be kerosene, not gasoline. The cleanup level of diesel range hydrocarbons is considered a more valid screening level concentration than gasoline cleanup level.

  Based on the matrix scoring sheet for the site presented in Table 3, a level 2 cleanup level was selected as the screening level for gasoline and diesel range hydrocarbon constituents in soil.

TABLE 3
Matrix Score for LPA Facility

Parameter	Scoring Criteria		Site Score
1. Depth to Groundwater	>100 feet	1	
	51–100 feet	4	
	25–50 feet	7	
	< =25 feet	10	10
2. Mean Annual Precipitation	>20 inches	1	
	20–45 inches	5	10
	>45 inches	10	
3. Native Soil or Rock Type	Low permeability materials	1	
	Moderate-permeability materials	5	5
	High permeability materials	10	
4. Sensitivity of the Uppermost Aquifer	Unusable aquifer	1	
	Potable aquifer not currently used for drinking water	4	1
	Potable aquifer currently used; alternative sources available	7	
	Sol source aquifer currently used; no alternative sources available	10	
5. Potential Receptors			
(a) Distance to Nearest Well	<1/2 mile	Near	
	1/2–2 miles	Medium	
	>2 miles	Far	Near
(b) Number of People at Risk	>3,000	Many	
	100–3,000	Medium	
	<100	Few	Many
Potential Receptors Scoring Matrix	Based on both 5(a) and 5(b)		

		No. at Risk:			
	Distance:	Many	Medium	Few	
	Near	10	10	5	
	Medium	10	5	1	
	Far	5	1	1	10
	TOTAL				36

Matrix Score	Cleanup Level (ppm TPH)	
	Gasoline	Diesel
Level 1: >40 pts.	40	100
Level 2: 25 – 40 pts.	80	500
Level 3: <25 pts.	130	1,000

For groundwater:

- Freshwater chronic ambient water quality criteria: This is a very conservative screening level that assumes that the concentrations measured in the groundwater would migrate to the river and produce the same river concentration. The use of these criteria does not account for attenuation of the groundwater in the pore spaces of the soil or mixing of the groundwater discharge with surface water, or that the measured lead concentration is immobile because the lead is absorbed onto the turbidity of the groundwater sample. Acute chronic ambient water quality criteria are also included for reference.
- General NPDES Discharge Permit 1500-J for the discharge of water contaminated with petroleum hydrocarbons from groundwater or surface water cleanup operations. This general NPDES permit establishes discharge limit for total petroleum hydrocarbons (TPH) of 1 mg/L for direct discharge to surface waters. This is a conservative screening level that assumes the same TPH concentration measured in the groundwater will be discharged to the river. It does not account for attenuation of the groundwater in the pore spaces of the soil or mixing of the groundwater discharge with surface water.

Surface Soil and Catch Basin Soil Results

Table 4 shows the PCBs, metals, diesel, and gasoline screening levels and analytical results. Tables 5 and 6 show the comparison of soil analytical results to semi-volatiles and volatiles standards, respectively. The detected semivolatile organic compounds results are also presented.

No metals, volatile compound, semi-volatile compound, or PCB analytical results for soil exceeded any of the standards for either industrial or residential exposure.

TPH results for gasoline and diesel range hydrocarbons are combined and compared to the Matrix 2 screening level concentration for diesel range hydrocarbons. The level 2 matrix level screening level concentration for gasoline is not considered an applicable screening level for the following reasons:

- The gasoline screening level assumes that benzene, toluene, and xylene (BTEX) compounds are present. These constituents were not detected in surface soil and catch basin soil samples.
- Kerosene was the primary TPH containing compound used. Kerosene does not contain significant quantities of BTEX compared to gasoline. The carbon range for kerosene is from C_{10} to C_{16}, which overlaps the gasoline hydrocarbon range (C_4 to C_{12}) and diesel hydrocarbon range (C_8 to C_{24}).

The level 2 matrix screening level for diesel range hydrocarbons was exceeded for the Outfall 5 soil samples and the maintenance shop surface soil sample.

Outfall 6 Results

Sediment analytical results are presented in Table 7. PAHs were detected in the Outfall 6 sediment sample. Table 8 presents these results and data from the 1998 harbor study.

A 48-inch-diameter pipeline from the southwest discharges at Outfall 6. This pipeline extends offsite, upgradient of the LPA facility and likely collects stormwater from upgradient areas along highway 30. Best available information indicates that the LPA facility was connected to Outfall 6 when the parking lot was paved in the 1960s.

Comparison of the Outfall 6 sediment samples to the results for the Portland Harbor study indicate that the sediment adjacent to Outfall 6 exceed the mean PAH concentrations for lower molecular weight PAHs and higher molecular weight PAHs detected in the Portland Harbor study. However, an upstream sediment sample (SD-035A) had higher concentrations of PAHs than those detected in the Outfall 6 sample indicating upstream sediments could be a potential source for the concentrations detected in the Outfall 6 sample.

Sediment near Outfall 6 has likely been impacted by sources southwest of the facility that use the 48-inch-diameter pipeline, and upriver industrial sources.

Groundwater Results

Table 9 presents groundwater results. Freshwater chronic and acute ambient water criteria levels also are presented in Table 9.

No volatile organic compounds were detected in the groundwater samples.

The semi-volatile organic compound bis (2-ethylhexyl) phthalate was detected in two samples on the upstream section of the property (Clarke and Wilson [center and south], adjacent to the current Columbia River Sand and Gravel operations). There is not an applicable water quality standard for comparison to bis2-ethylhhexylphthlate.

Low levels of gasoline and diesel range hydrocarbons were detected in samples (less than 5 milligrams per liter [mg/L] for all samples and less than 1 mg/L for all but one sample). There are no applicable water quality standards for gasoline and diesel. For comparative purposes, the general National Pollutant Discharge Elimination System (NPDES) permit level of 1.0 mg/L total petroleum hydrocarbons presented in general permit 1500-J for discharge of water contaminated with petroleum hydrocarbons from surface water or groundwater cleanup operations is presented as a screening level. This is the level that DEQ allows for direct discharge to surface waters. Considering that only one sample exceeded this conservative screening value, petroleum hydrocarbon migration for the maintenance area to the Willamette River is not considered a complete migration pathway.

Lead was detected in all of the groundwater samples. As shown in Table 9, the chronic ambient water quality criteria was exceeded in four of the five groundwater samples. However, it should be noted that these groundwater samples were not filtered and were collected from temporary wells. The sample logs indicate that the samples had high turbidity and, at DEQ's request samples, were unfiltered and preserved. Therefore, the lead concentration in these groundwater samples may be a result of lead-containing sediment in the samples and not a dissolved lead constituent.

Copper also was detected in two of the five groundwater samples. The maintenance area sample had a concentration of 31.1 µg/L, slightly exceeding the chronic ambient water criteria of 12 µg/L.

TABLE 4
Soil Analytical Results
Linnton Plywood Association, Portland, Oregon

	Type of Sample	Semi-volatiles (EPA 8270)[1] µg/kg	Volatiles (EPA 8260)[1] µg/kg	PCB (EPA 8082) µg/kg	Cadmium (EPA 6010) µg/kg	Chromium (EPA 6010) µg/kg	Lead (EPA 6010) µg/kg	Zinc (EPA 6010) µg/kg	Copper (EPA 6010) µg/kg	Diesel Range (SW 8015) µg/kg	Gasoline Range (SW 8015) µg/kg
Proposed Screening Standards											
PRGs for Industrial Soils		(see Table 5)	(see Table 6)	1000	810,000	450,000	750,000	100,000,000	76,000,000	—	—
PRGs for Residential Soils		(see Table 5)	(see Table 6)	220	37,000	210,000	400,000	2,300,000	—	—	—
DEQ Soil Cleanup Levels for Industrial Soils		(see Table 5)	(see Table 6)	700	1,000,000	1,500,000	2,000,000	—	80,000,000	—	—
DEQ Soil Cleanup Levels for Residential Soils		(see Table 5)	(see Table 6)	80	100,000	1,000,000	200,000	—	10,000,000	—	—
DEQ Remedy for PCB soil samples at Industrial Sites		—	—	7500	—	—	—	—	—	—	—
DEQ Remedy for PCB Soil Samples at Residential Sites		—	—	1200	—	—	—	—	—	—	—
DEQ Level 2 Matrix Cleanup Level[2]		—	—	—	—	—	—	—	—	500,000	—
Sample Results											
Auto Repair	surface	ND	1,1-Dichloroethene- 1.7		ND	25,500	31,000			43,700	15,900
Steam Cleaning	surface	ND	ND		ND	12,600	23,900			48,200	8,190
Outfall 5 West	surface	Bis(2-Ethylhexyl) phthalate 6330	ND	ND	3,100	42,200	182,000	79,800	482,000	**1,430,000**	13,200
Outfall 5 East	surface	ND	cis-1,2-Dichloroethene-5.4, Tetrachloroethene-3.5	ND	3,400	48,400	160,000	102,000	618,000	**1,820,000**	13,800
Outfall 5 West	subsurface	Bis(2-Ethylhexyl) phthalate 2220	Trichlorofluoromethane-1.7, 1,1-Dichloroethene-2.1, Tetrachloroethene-5.4, Methyl Chloride 9.0		7,700	67,300	241,000	739,000		**1,270,000**	12,500
Outfall 5 East	subsurface	ND	Tetrachloroethene-17		5,800	56,800	134,000	687,000		**1,620,000**	13,600
Catch Basin 3A	surface	ND	p-Isopropyltoluene-2.6	9.9	ND	18,200	24,500	16,500	177,000	262,000	380
Catch Basin 3	surface	ND	Toluene-24.9, p-Isopropyltoluene-12.2	19.2	ND	21,100	35,400	33,100	175,000	104,000	230
Duplicate of Catch Basin 3	surface	Benzyl butyl phthalate 7070	Toluene 76.5, p-Isopropyltoluene 16.5	16.7	ND	20,800	28,500	25,100	139,000	84,900	15,000
Catch Basin 2	surface	ND	ND		ND	23,800	13,900	12,100	111,000	65,700	120
Maintenance Shop	Surface	Bis(2-Ethylhexyl) phthalate 3890	ND		3,000	105,000	402,000			**938,000**	1,360

Notes:
[1]MRL was higher than expected for various analyses
[2]Diesel range hydrocarbons are used as the screening level as described in the text.
Not sampled pursuant to Agreement
ND - not detected
Bolded results indicate screening standard was exceeded.

TABLE 5
Soil Sample Results for Semi-volatile Detections
Linnton Plywood Association, Portland, Oregon

	Type of Sample	bis(2-Ethylhexyl) phthalate (µg/kg)	Benzl butyl phthalate (µg/kg)
Standards			
PRGs for Residential Soils		35,000	1.2×10^7
PRGs for Industrial Soils		180,000	1.0×10^8
DEQ Soil Cleanup Levels for Industrial Soils		400,000	—
DEQ Soil Cleanup Levels for Residential Soils		50,000	—
Results			
Auto Repair	Surface	ND	ND
Steam Cleaning	Surface	ND	ND
Outfall 5 West	Surface	6,330	ND
Outfall 5 East	Surface	ND	ND
Outfall 5 West	Subsurface	2,220	ND
Outfall 5 East	Subsurface	ND	ND
Catch Basin 3A	Surface	ND	ND
Catch Basin 3	Surface	ND	ND
Duplicate of Catch Basin 3	Surface	ND	7,070
Catch Basin 2	Surface	ND	ND
Maintenance Shop	Surface	3890	ND

Notes:
ND = Not Detected
PRGs = Preliminary Remediation Goals

TABLE 6
Soil Sample Results for Volatile Detections
Linnton Plywood Association, Portland, Oregon

	Type of Sample	Toluene µg/kg	Tetrachloro ethene µg/kg	Cis-1,2-Dichloro-ethene µg/kg	1,1-Dichloro-ethene µg/kg	Trichlorofluoro methane µg/kg	Methyl Chloride µg/kg	p-Isopropyl-toluene µg/kg
Standards								
PRGs for Residential Soils		520,000	5,700	63,000	54	390,000	8,900	none
PRGs for Industrial Soils		520,000	19,000	210,000	120	2,000,000	21,000	none
DEQ Soil Cleanup Levels for Residential Soils		5,000,000	9,000	5,000,000	10	1,000,000	7,000	none
DEQ Soil Cleanup Levels for Industrial Soils		6,000,000	10,000	20,000,000	20	1,500,000	10,000	none
Results								
Auto Repair	Surface	ND	ND	ND	1.7	ND	ND	ND
Steam Cleaning	Surface	ND	ND	ND	ND	ND	ND	ND
Outfall 5 West	Surface	ND	ND	ND	ND	1.7	ND	ND
Outfall 5 East	Surface	ND	3.5	5.4	ND	ND	ND	ND
Outfall 5 West	Subsurface	ND	ND	ND	ND	ND	9	ND
Outfall 5 East	Subsurface	ND	17	ND	ND	ND	ND	ND
Catch Basin 3A	Surface	ND	ND	ND	ND	ND	ND	2.6
Catch Basin 3	Surface	24.9	ND	ND	ND	ND	ND	12.2
Duplicate of Catch Basin 3	Surface	76.5	ND	ND	ND	ND	ND	16.5
Catch Basin 2	Surface	ND	ND	ND	ND	ND	ND	ND
Maintenance Shop	Surface	ND	ND	ND	ND	ND	ND	ND

Note:
PRGs - Preliminary Remediation Goals

TABLE 7
Sediment Analytical Results
Linnton Plywood Association, Portland, Oregon

Sample Location	Semi-volatiles (EPA 8270)[1] µg/kg	PCB (EPA 8082) µg/kg	Cadmium (EPA 6010) µg/kg	Chromium (EPA 6010) µg/kg	Lead (EPA 6010) µg/kg	Zinc (EPA 6010) µg/kg	Copper (EPA 6010) µg/kg	Diesel Range (SW 8015) µg/kg	Gasoline Range (SW 8015) µg/kg
Outfall 6	Phenanthrene-20600, Anthracene-3370, Fluoranthene-12700, Pyrene-15600, Benzo(a)anthracene-3880, Chrysene- 4980, Benzo(b)fluoranthene- 2080	ND	4,200	22,700	49,800	13,600	714,000	108,000	7,730

Notes:
[1]MRL was higher than expected for various analyses
ND - not detected

TABLE 8
PAH Analytical Results for Outfall 6 and Adjacent Portland Harbor Sediment Samples

Constituent	Outfall 6 Concentration (µg/kg)	SD-030[1] Concentration (µg/kg)	SD-035A[2] Concentration (µg/kg)	Portland Harbor Mean[3] (µg/kg)
LPAHs[4]	39,500	1,627	62,190	8,539
HPAHs[5]	23,640	4,226	152,700	18,889

Notes:
[1]Sample SD-30 is the closest sample to Outfall 6 from the 1998 Portland Harbor Study.
[2]Sample SD-035A is located adjacent to the portion of the LPA facility now leased to Columbia River Sand and Gravel.
[3]The Portland Harbor mean concentration as presented in the Portland Harbor Sediment Management Plan (DEQ, 1998).
[4]LPAHs = Low Molecular Weight PAHs, the sum of the concentrations of phenanthrene, anthracene, and pyrene.
[5]HPAHs = High Molecular Weight PAHs, the sum of the concentrations of fluoranthene, benzo(a) anthracene, chyrsene, and benzo(b) fluoranthene.

TABLE 9
Unfiltered Groundwater Analytical Results
Linnton Plywood Association, Portland, Oregon

	Analysis							
			Metals					
	Semi-volatiles (EPA 8270)[1] µg/L	Volatiles (EPA 8260)[1] µg/L	Cadmium (EPA 6010) µg/L	Chromium (EPA 6010) µg/L	Copper (EPA 6010) µg/L	Lead (EPA 6010) µg/L	Gasoline Range (SW 8015) µg/L	Diesel Range (SW 8015) µg/L
Standards								
Freshwater Acute Ambient Water Criteria				1700	18	82		
Chronic Ambient Water Criteria				210	12	3.2		
NPDES Permit Level[2]								1,000
Results								
Auto Repair	NS	ND	NS	NS	NS	NS	44	NS
Steam Cleaning	ND	ND	ND	ND	ND	**17.8**	50	ND
Green End	bis(2-Ethylhexyl) phthalate 5	ND	ND	ND	ND	**6.4**	42	ND
Boiler House	ND						40	ND
Wigwam Burner	ND[1]		ND	ND	**15.3**	**15.1**	96	ND
Sander Dust Ash	ND			ND	ND	3.2	ND[1]	239
Clark Wilson (Center)	bis(2-Ethylhexyl) phthalate 103							
Clark Wilson (South)	bis(2-Ethylhexyl) phthalate 27							
Maintenance Shop	ND	ND	ND	**66.1**	**31.1**	**424**	49	4340

Notes:
[1]MRL was higher than expected.
[2]National Pollutant Discharge Elimination System permit level in general permit 1500-J.
Not sampled pursuant to Agreement
ND = not detected.
NS = unable to collect sufficient sample.

of possibly contributory industrial activities on-site, and levels of the specific contaminants detected.

- Outfall 6 Drainage Basin: Sampling results may suggest migration of hazardous substances from the pale oil application and overflow from the scrubber used to treat the air discharge from the sander dust burner. The PAH levels detected in sediments at the discharge location of Outfall 6 may suggest a historic potential onsite source. However, as explained above, the pipeline above Outfall 6 receives stormwater from upgradient and offsite sources. Furthermore, higher PAH levels were detected in upriver sediment samples. Accordingly, the recent closing of the facility and the cessation of pale oil application and scrubber useage eliminates these on-site sources as a potential present source and migration pathway.

- Potential groundwater migration from the maintenance area: The unfiltered groundwater sample had a lead concentration of 424 µg/L. The result was compared to the chronic freshwater ambient water quality criteria of 3.2 µg/L. Because of the turbidity in the groundwater sample, this result likely does not represent the dissolved or mobile concentration of lead in the sample. While the available data do not eliminate potential groundwater migration to the Willamette River from the maintenance shop area as a potential migration pathway, the detected concentrations in the part per billion range indicates that it is highly unlikely that a mobile dissolved lead source is migrating to the River.

- Bank erosion from the maintenance shop and Outfall 5 area: Concentrations of gasoline and/or diesel range hydrocarbons ranged from 900 to 2,000 mg/kg in soil samples from these areas. However, because no semi-volatiles or volatiles were detected in relevant samples, these detections are not considered to result in a significant risk to human health or the environment.

Recommendations

The data presented in this Pre-RI Assessment report demonstrate that there are limited potential migration pathways present for hazardous substance migration from the LPA site to the Willamette River. For the three potential migration pathways that are not completely eliminated by the Pre-RI Assessment data, any site related contribution to the stormwater migration pathway from industrial activities to Outfall 6 has been eliminated by the closing of the facility.

Conclusions regarding the unfiltered groundwater sample from the maintenance area are inconclusive, but even if dissolved lead concentrations in groundwater do exist in this area, it is likely that such concentrations would present no more than a low priority threat to human health or the environment.

Bank erosion from the maintenance shop and Outfall 5 area could potentially allow hydrocarbon affected soils to migrate to the Willamette River, but given the absence of semi-volatile or volatile compounds in samples from this area, the detected constituents do not pose a significant threat to human health and the environment.

SECTION 5

Conclusions

This section presents conclusions regarding the likelihood of past and present source(s) and pathway(s) for the release of hazardous substances to surface water or sediments adjacent to the respondent's facility and whether a re-evaluation of the priority of the LPA facility is appropriate, as required by the Agreement SOW at B-4. The overall objectives of the investigation are presented followed by a migration pathway analysis, recommendations, and a request for re-evaluation of the priority of the facility.

Pre-RI Assessment Objectives

The objective of the Pre-RI Assessment for the LPA facility is to fulfill the following requirements of the Agreement:

- Determine if there is no likely present source and pathway for the release of hazardous substances to surface water or sediments from the LPA facility
- Collect sufficient information for DEQ to re-evaluate the priority of the facility. This report requests that DEQ perform this re-evaluation. If DEQ determines that the facility no longer presents a high priority threat to present and future public health, safety, and welfare or the environment, no further RI work with respect to the uplands portion of the LPA facility will be required under the Agreement and Scope of Work.
- Determine whether further action is needed to assure protection of present and future public health, safety, and welfare or the environment.

Migration Pathway Analysis

Previous work performed under the Agreement identified potential source areas for contaminant migration to the Willamette River based on a historical review of facilities operational history and chemical use and a conceptual site model to identify potential migration routes from the facility to the Willamette River. The results of this work were presented to DEQ in Addendum 1 of the *Pre-RI Investigation Assessment Work Plan* (CH2M HILL, December 2000).

Subsequent negotiations between LPA and DEQ resulted in additions to the potential source areas and migration pathways. The *Pre-RI Sampling and Analysis Plan* (CH2M HILL, April 2001) was designed to collect data to meet the Pre-RI Assessment Objectives listed above.

Figure 4 presents a source and migration pathway analysis for the LPA facility based on the Pre-RI investigation sample results. From this analysis, three potential past and present pathways for possible hazardous substance migration to Willamette River sediments cannot be eliminated based on the sample results alone. However, all pathways can be eliminated from further consideration based on the nature of the contaminants detected, the cessation

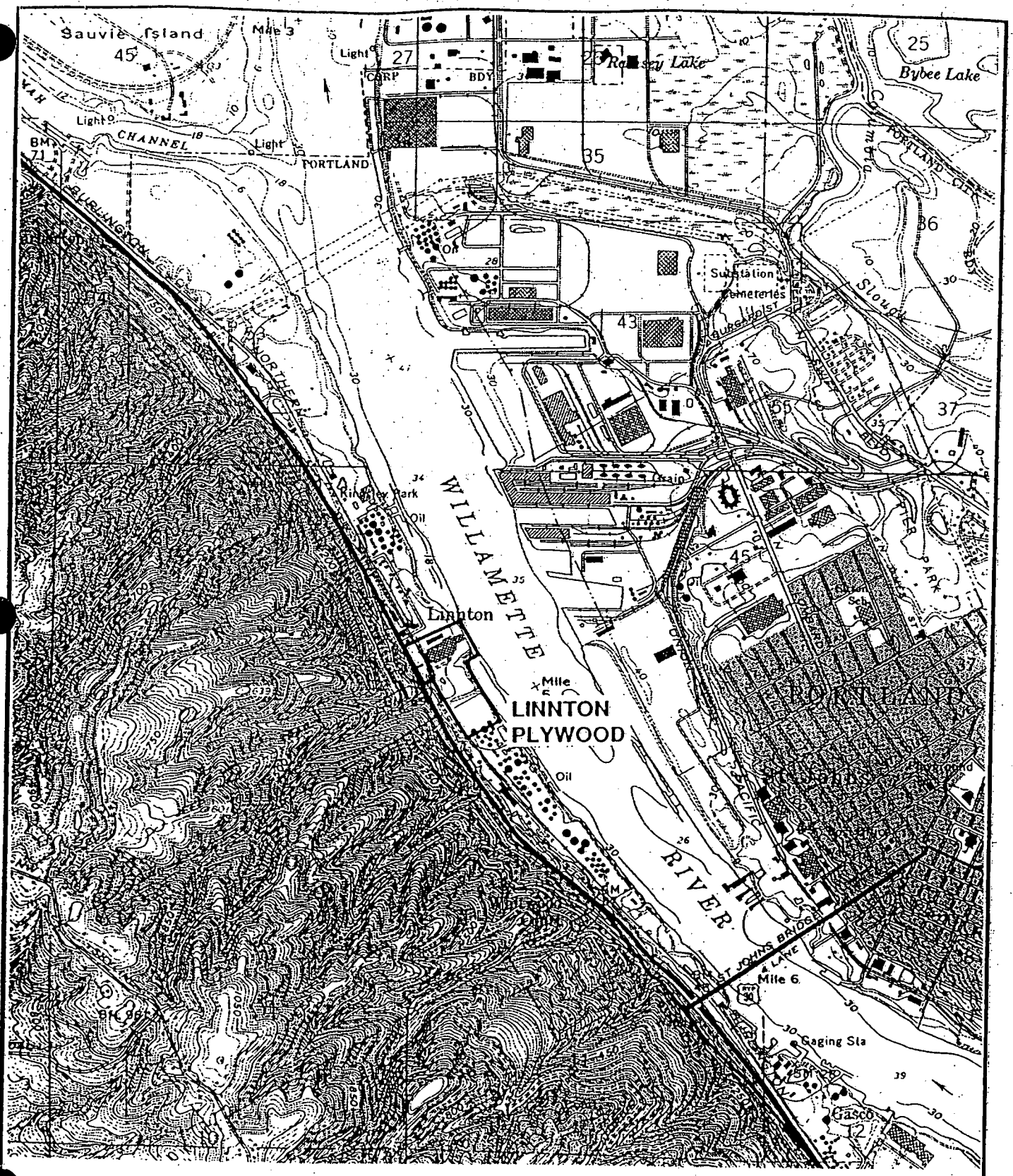
Accordingly, LPA requests that the DEQ reasonably determine that there is no likely present source and pathway for the release of hazardous substances to surface water or sediments from the LPA facility that warrants further action.

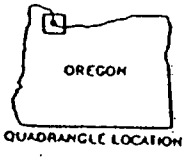
Request for Re-evaluation of the Priority of the Facility

Based on these data, LPA and CH2M HILL also believe that there are sufficient data to re-evaluate the priority of the LPA facility. LPA requests that DEQ re-evaluate the priority of the LPA facility, and determine that the site presents no more than a low priority under DEQ scoring criteria.

FIGURES

Figures





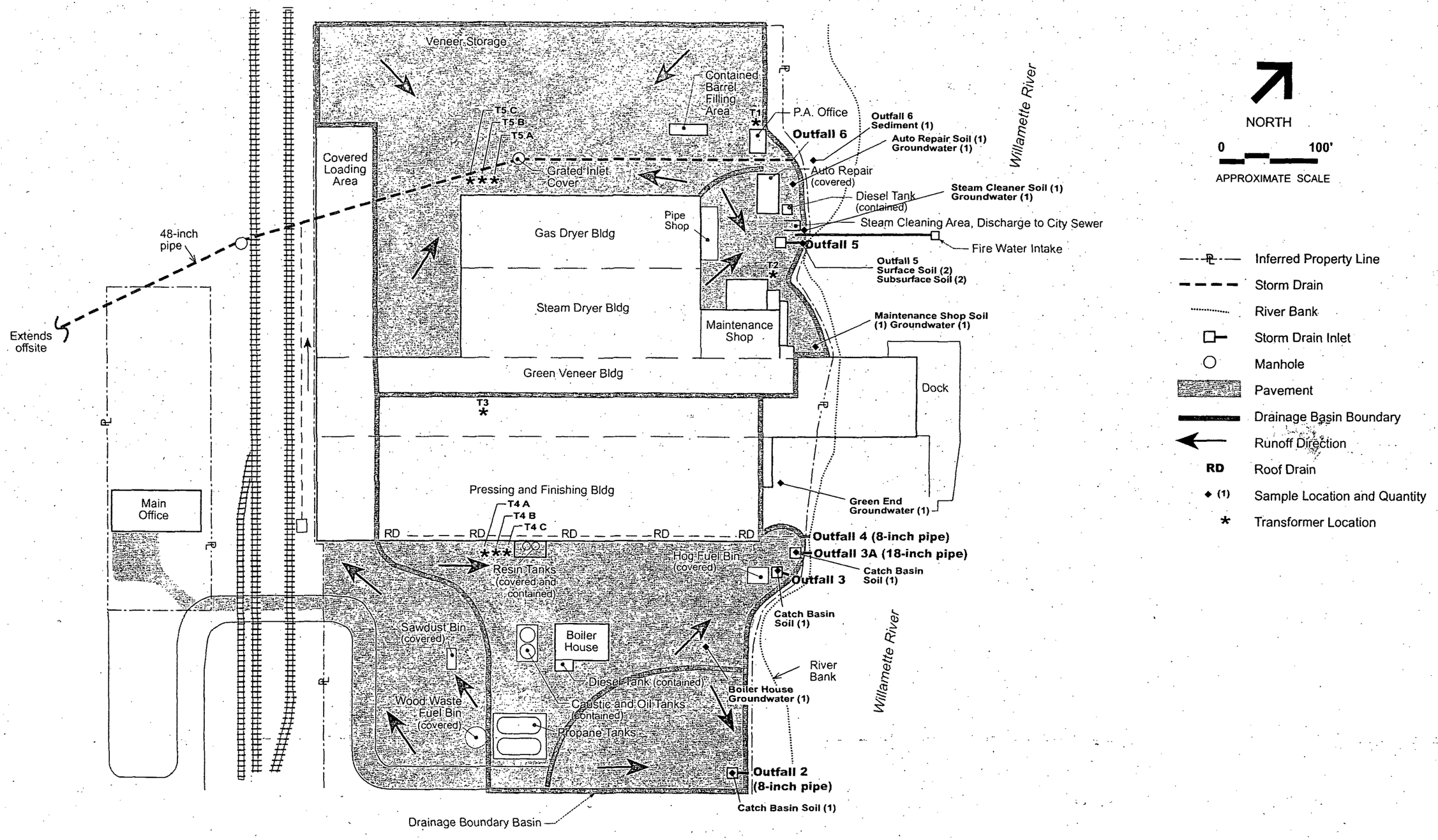
SCALE: 1" = 2000' NORTH

FIGURE 1
Site Location Map

LINNTON PLYWOOD ASSOCIATION
PORTLAND, OREGON

CH2M HILL

167592.SA.01 E122001006 1.24.2 dw



Columbia Sand and Gravel Operation

FIGURE 2
Sampling Locations
LINNTON PLYWOOD ASSOCATION
PORTLAND, OREGON

CH2MHILL

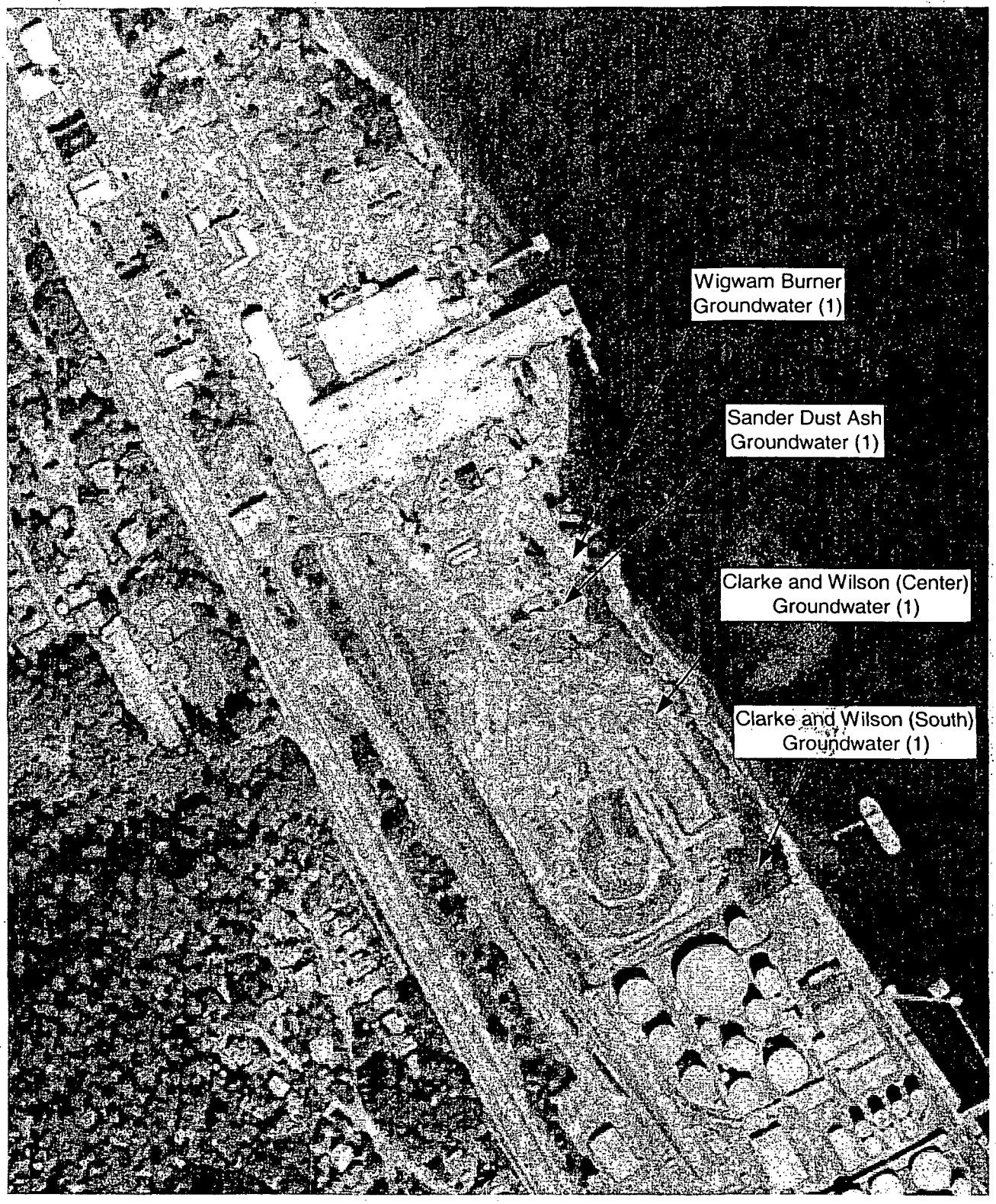


Figure 3
Sampling Locations
Linnton Plywood Association
Portland, Oregon

CH2MHILL

Potential Source	Potential Migration Pathway/ Pathway Sample	Pathway Screening Comments	Pathway Conclusion	Receptor
Historic Clarke and Wilson Lumber Mill Operations (main plant), Dredge Spoil Disposal Area. Clarke and Wilson operated a lumber mill at the site prior to LPA. The lumber mill burned down in 1948 and was not replaced. Historic air photo's indicate that a lumber mill operations were performed on the portion of the site now leased to Columbia Sand and Gravel. This area was used during LPA operations for dredge spoil disposal from dredging the log processing area. This area of the site is now leased to Columbia Sand and Gravel. Their operations have placed over 10 feet of fill in this area, eliminating soil erosion as a potential migration pathway. Groundwater migration was still considered a possible migration pathway.	**Groundwater Migration** → **Pathway assessed by:** Clarke and Wilson South Groundwater Sample Clarke and Wilson Center Groundwarter Sample	Unfiltered groundwater samples from this area detected one semi-volatile compound bis(2-ethylhexyl) phthalate in two of the three groundwater samples at concentrations of 27 and 103 ug/L. No screening level concentration has been developed for this constituent. However, this was an unfiltered, turbid sample, considering the log octanol-water co-efficient of 7.60, bis(2-Ethylhexyl) phthalate is most likely adhesive to the sediment and not a potential migrating source. The levels of semi-volatiles measured are not considered high enough to be a source of groundwater contamination.	Pathway not complete →	Willamette River
Historic Clarke and Wilson Lumber Mill Operations (Wigwam Burner) Clarke and Wilson operated a lumber mill at the site prior to LPA. Historic air photo's indicate that a Wigwam Burner located near the river bank was used. This area was used during LPA operations for dredge spoil disposal from dredging the log processing area. This area of the site is now leased to Columbia Sand and Gravel. Their operations have placed over 10 feet of fill in this area, eliminating soil erosion as a potential migration pathway. Groundwater migration was still considered a possible migration pathway.	**Groundwater Migration** → **Pathway assessed by:** Wigwam Burner Groundwater Sample	Unfiltered groundwater samples from this area did not detect any semi-volatile organic compounds. Trace amounts (less than 0.1 mg/L) of gasoline were detected; too low for it to be a potential migration pathway. Unfiltered groundwater samples contain copper and lead concentrations of 15.3 and 15.1 ug/L, above the freshwater chronic water quality standards of 1.1 and 3.2 ug/L. Because the samples were unfiltered and copper and lead were detected only slightly above the conservative chronic ambient water criteria sceening level. Copper and lead migration with groundwater from this area is not considered a complete pathway.	Pathway not complete →	

Key

Pathway Potentialy Complete →

Pathway not complete →

Figure 4 (page 1 of 5)
Conceptual Site Model
Linnton Plywood Association Activities
Linnton Plywood Association
Portland, Oregon

CH2MHILL

Potential Source	Potential Migration Pathway/ Pathway Sample	Pathway Screening Comments	Pathway Conclusion	Receptor
Sander Dust Ash Disposal. Captured solids from the air treatment system for sander dust burner were spread on the ground to dry landfilled on this parcel. Columbia Sand and Gravel has placed over 10 feet of fill on the site since their operations started, so the ash in now capped with sand. After 1997, the sander dust ash has been mixed with the sand processed by Columbia Sand and Gravel in the same area as the original disposal site. Transformer storage is located within the drainage area to catch basin 2.	**Groundwater Migration** **Pathway assessed by:** Sander Dust Ash Disposal Area Groundwater Sample	Unfiltered groundwater samples from this area did not detect any semi-volatile compounds. Trace amounts (0.239 mg/L) of diesel were detected; below the screening level concentration of 1.0 mg/L and too low for it to be a potential migration pathway. Unfiltered groundwater sample contained a lead concentration of 3.2 ug/L, equal to the freshwater acute water quality standards of 3.2 ug/L. Lead migration with groundwater from this area is not considered a complete pathway.	Pathway not complete	Willamette River
	Stormwater Migration **Pathway assessed by:** Catch Basin 2 Soil Sample	Semi-volatile and volatile organic compounds were not detected. Metal constituents were detected at levels below DEQ's *residential cleanup levels and residential PRGs.* Gasoline range hydrocarbons was detected at 65.7 mg/kg, below UST Level 2 Cleanup Level for diesel of 500 mg/kg. Since all gasoline sources have been removed, this is not considered a complete pathway for gasoline range hydrocarbons transport to the Willamette River. PCBs were detected at concentrations below residential screening levels.	Pathway not complete	
Boiler House, Diesel Storage, Decommissioned Underground Gasoline Storage, Resin Storage and PCB-containing Transformer Storage. These industrial operations were performed in a common drainage basin and area of the facility, near the boiler house. Releases from the secondary storage for these systems is considered a potential source area.	**Groundwater Migration** **Pathway assessed by:** Boiler House Groundwater Sample	Unfiltered groundwater samples from this area did not detect any semi-volatile organic compounds. Trace amounts (less than 0.1 mg/L) of gasoline range hydrocarbons and diesel were detected; too low for it to be a potential migration pathway.	Pathway not complete	
	Stormwater Migration **Pathway assessed by:** Catch Basin 3 Sediment Sample Catch Basin 3A Sediment Sample	Semi-volatile and volatile organic compounds were not detected. Trace levels of volatiles, less than 100 ug/kg of toluene derivatives, were detected in these samples at levels well below the industrial PRG of 5,000 mg/kg. Metal constituents were detected at levels below DEQ's industrial cleanup levels and industrial PRGs. Diesel range hydrocarbons was detected up to 262 mg/kg, below the UST Level 2 Diesel cleanup level of 500 mg/kg. Since all diesel sources have been removed, this is not considered a complete pathway for gasoline range hydrocarbons transport to the Willamette River. PCBs were detected at concentrations below industrial screening levels.	Pathway not complete	

Key

Pathway Potentialy Complete

Pathway not complete

Figure 4 (page 2 of 5)
Conceptual Site Model
Linnton Plywood Association Activities
Linnton Plywood Association
Portland, Oregon

CH2MHILL

Potential Source	Potential Migration Pathway/ Pathway Sample	Pathway Screening Comments	Pathway Conclusion	Receptor
Green End Operations. Green end operations include raw log barking (equipment located over water) and raw log peeling (conducted in the mill). Oils and solvents were used in the process to maintain the equipment.	**Groundwater Migration** → **Pathway assessed by:** Green End Groundwater Sample	Unfiltered groundwater samples from this area did not detect any semi-volatile organic compounds. Trace amounts (less than 0.1 mg/L) of gasoline and diesel range hydrocarbons were detected; too low for it to be a potential migration pathway. Unfiltered groundwater sample contained a lead concentration of 6.4 ug/L, above the freshwater acute water quality standards of 3.2 ug/L. Because the samples were unfiltered and lead was detected only slightly above the conservative chronic ambient water criteria screening level. Lead migration with groundwater from this area is not considered a complete pathway.	Pathway not complete →	Willamette River

Key

Pathway Potentialy Complete →

Pathway not complete ■

Figure 4 (page 3 of 5)
Conceptual Site Model
Linnton Plywood Association Activities
Linnton Plywood Association
Portland, Oregon

CH2MHILL

Potential Source	Potential Migration Pathway/ Pathway Sample	Pathway Screening Comments	Pathway Conclusion	Receptor
Maintenance Shop. Mill maintenance was conducted in the covered maintenance shop. Chemicals used include kerosene and alcohol for tool and part cleaning. Metal grinding for tool sharpening also conducted. Areas were periodically washed down with wash water discharging to outside areas and collected in the stormwater collection system through outfall 5. All used oil was reused onsite to oil the dryer chains. DEQ also identified that a methylene chloride containing adhesive was also stored in this area. PCB containing transformers are located in this area.	Groundwater Migration → **Pathway assessed by:** Maintenance Shop Area Groundwater Sample	Unfiltered groundwater samples from this area did not detect any semi-volatile or volatile compounds. Trace amounts (less than 0.1 mg/L) of gasoline range hydrocarbons were detected; too low for it to be a potential migration pathway. 4.34 mg/L of diesel was detected. This is above the conservative screening level of 1.0 mg/L allowed for direct discharge to the River. Considering the turbidity of the groundwater sample and the attenuation of diesel in the subsurface, this is not considered a complete migration pathway. Copper and lead were detected above their screening level concentrations. Because the samples were unfiltered, the dissolved, potentially mobile fraction of lead and copper present in this sample is unknown, leading to the conclusion that the groundwater migration pathway for metal transport to the Willamette River is inconclusive.	Pathway incomplete for organic compounds; potentially complete for metals →	Willamette River
	Bank Erosion → **Pathway assessed by:** Maintenance Shop Area Soil Sample	One semi-volatile compound bis(2-ethylhexyl) phthalate was detected at 3.9 mg/kg, below the residential PRG of 35 mg/kg. No volatiles were detected. Cadmium, chromium and lead concentrations were below the industrial PRG's. Gasoline range hydrocarbons were detected at 938 mg/kg above the UST Matrix Level 2 concentration for diesel of 500 mg/kg.	Pathway incomplete for semi-volatiles and volatiles; potentially complete for TPH and metal containing soil transport by erosion →	
	Stormwater Migration → **Pathway assessed by:** Outfall 5 Soil Samples	Bis(2-ethylhexyl) phthalate was detected at 2.2 and 6.3 mg/kg, below the industrial PRG of 180 mg/kg. Trace levels of chlorinated volatiles were detected at concentrations up to 17 ug/kg. No samples exceeded residential PRG levels. Cadmium, chromium, copper, lead and zinc concentrations were below the industrial PRG's. Gasoline range hydrocarbons were detected in all four samples at concentrations between 1,000 and 2,000 mg/kg; above the UST Matrix Level 2 concentration for diesel of 500 mg/kg.	Pathway potentially complete for TPH containing soil transport by stormwater discharge or erosion →	

Key

Pathway Potentialy Complete →

Pathway not complete ■

Figure 4 (page 4 of 5)
Conceptual Site Model
Linnton Plywood Association Activities
Linnton Plywood Association
Portland, Oregon

CH2MHILL

Potential Source	Potential Migration Pathway/ Pathway Sample	Pathway Screening Comments	Pathway Conclusion	Receptor
Auto Repair and Steam Cleaning Area Soils. Mobile vehicle repair and mobile vehicle steam cleaning were performed in this area. These activities potentially could have released hazardous substances to surrounding soils.	**Bank Erosion** → **Pathway assessed by:** Auto Repair Soil Sample; Steam Cleaning Soil Sample	Semi-volatile compounds were not detected One volatile was detected a trace levels (<1.0 ug/kg), below the residential PRG level and DEQ's residential cleanup level. Gasoline and diesel range hydrocarbons were detected at concentration below 100 mg/kg; below the UST Level 2 Matrix Cleanup level for diesel of 500 mg/kg. Lead and chromium were detected below the industrial PRG levels and DEQ's industrial cleanup level.	Pathway not complete →	Willamette River
Pale Oil Application, Edge Sealer Application, Sander Dust Burner Scrubber Overflow. These activities were conducted on paved areas of the facility connected directly with stormwater. Drainage from this area was directed to Outfall 6. Transformer storage is located with the catch basin drainage to outfall 6.	**Stormwater Migration** → **Pathway assessed by:** Outfall 6 sediment sample	Low molecular PAHs were detected at 39.5 mg/kg and high molecular PAHs were detected at 23.6 mg/kg. These are above the Portland Harbor mean concentration and higher than the concentrations in Sample SD-030, the closest sample during collected documented in the Portland Harbor sediment study. PCBs were not detected.	Pathway historically potentially complete. Pathway not complete after mill closure. →	

Key

Pathway Potentialy Complete →

Pathway not complete →

Figure 4 (page 5 of 5)
Conceptual Site Model
Linnton Plywood Association Activities
Linnton Plywood Association
Portland, Oregon

CH2MHILL

APPENDIX A

APPENDIX A

Photo Log of Field Activities

APPENDIX A

Photo Log of Field Activities

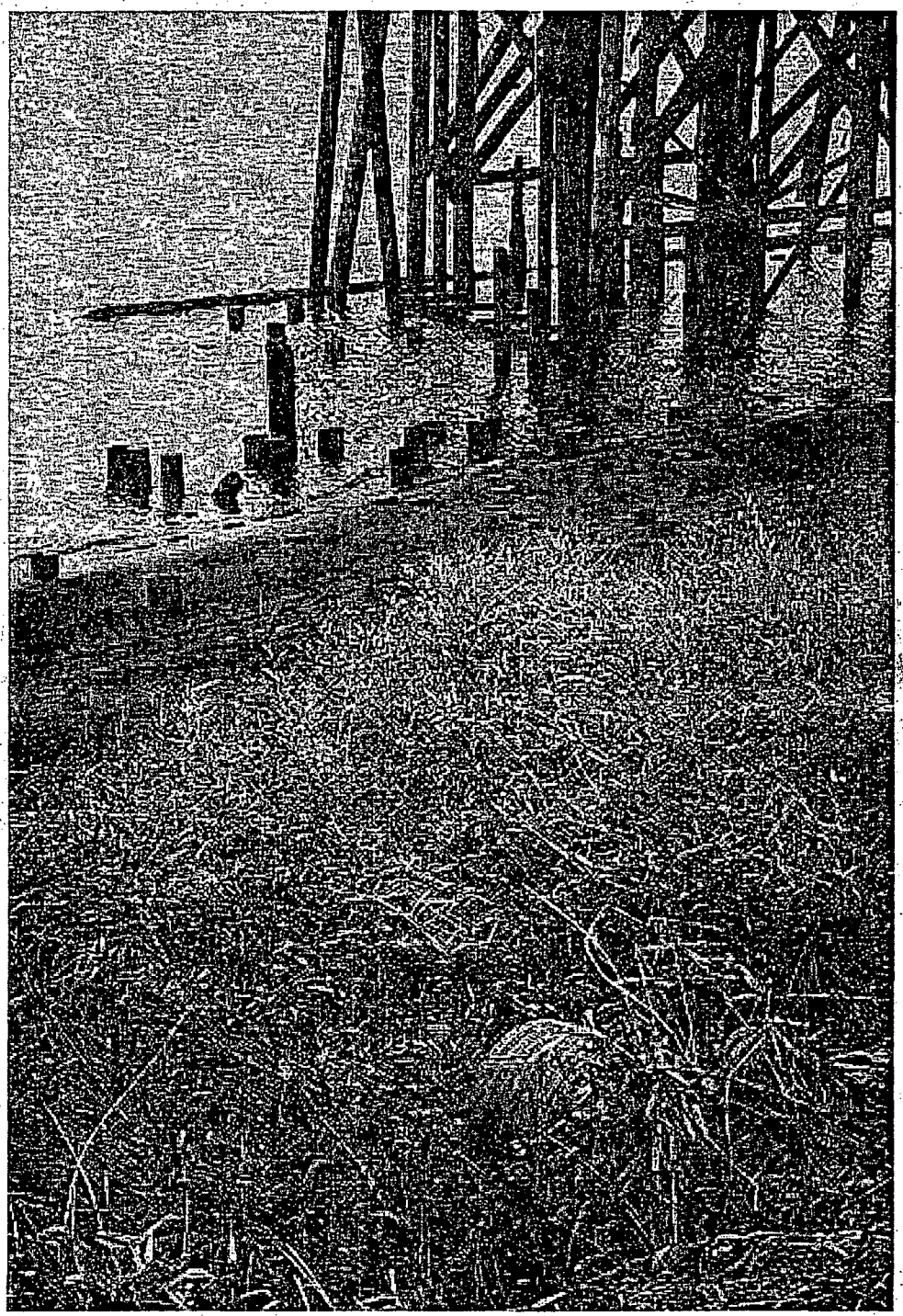


Photo A-1 View off Bank to Outfall 6.

Photo A-2 Outfall 6 Sediment Sample Location.

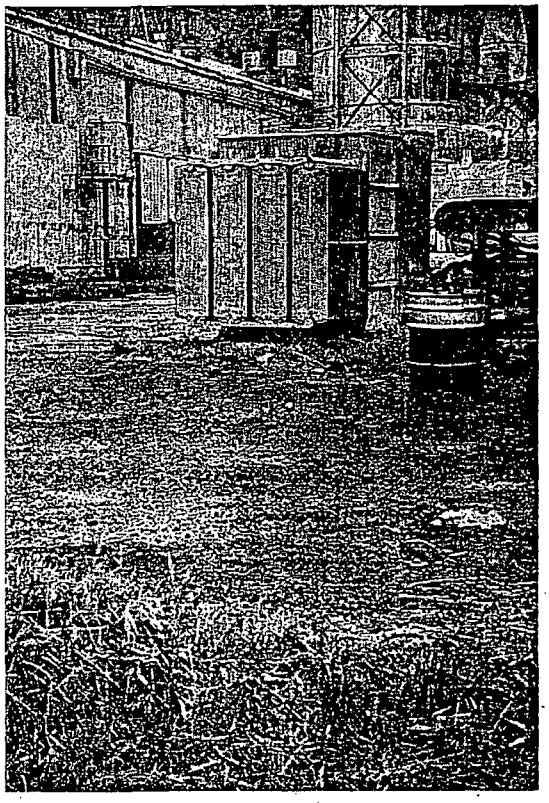


Photo A-3 Auto Repair Soil Sample Location.

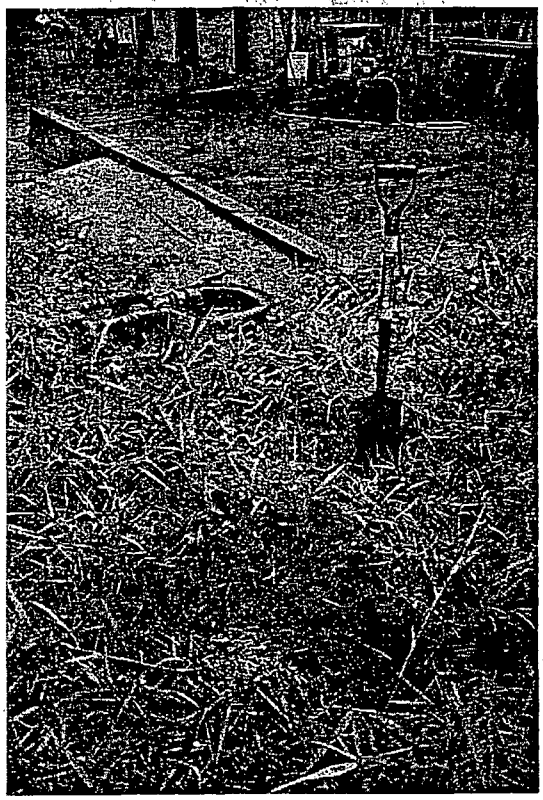


Photo A-4 Steam Cleaning Soil Sample Location

Photo A-5 View of Outfall 5 West.

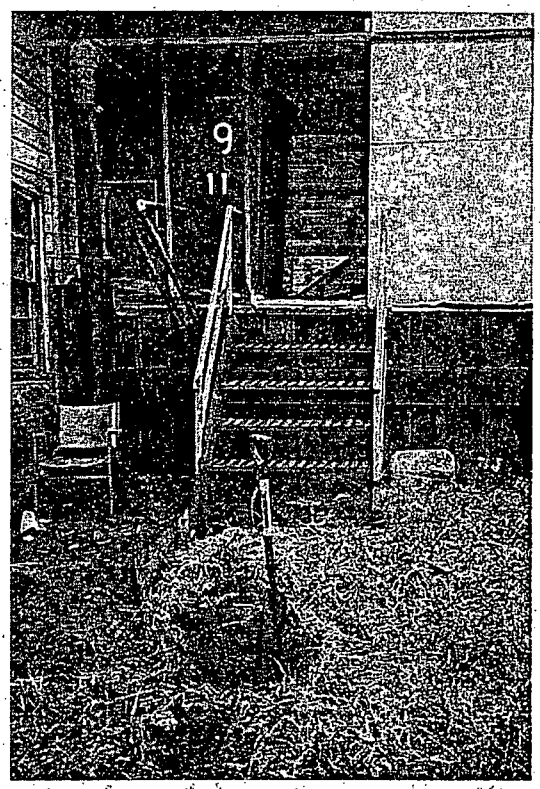


Photo A-6 View of Maintenance Shop.

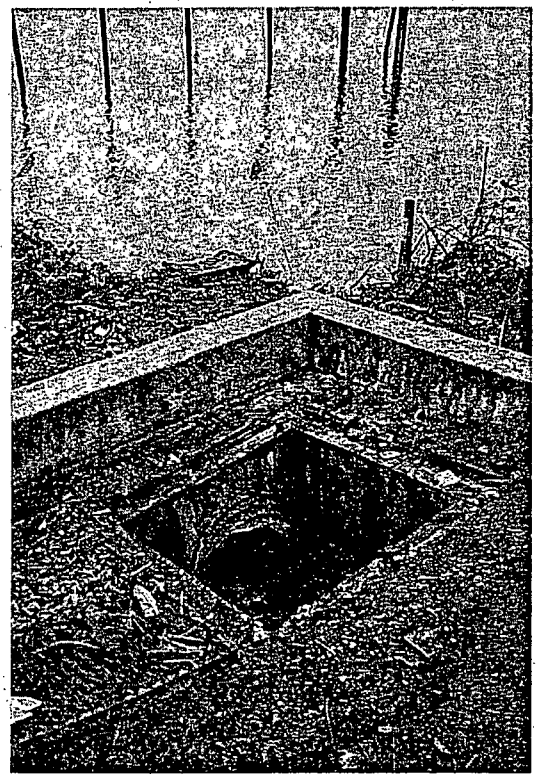
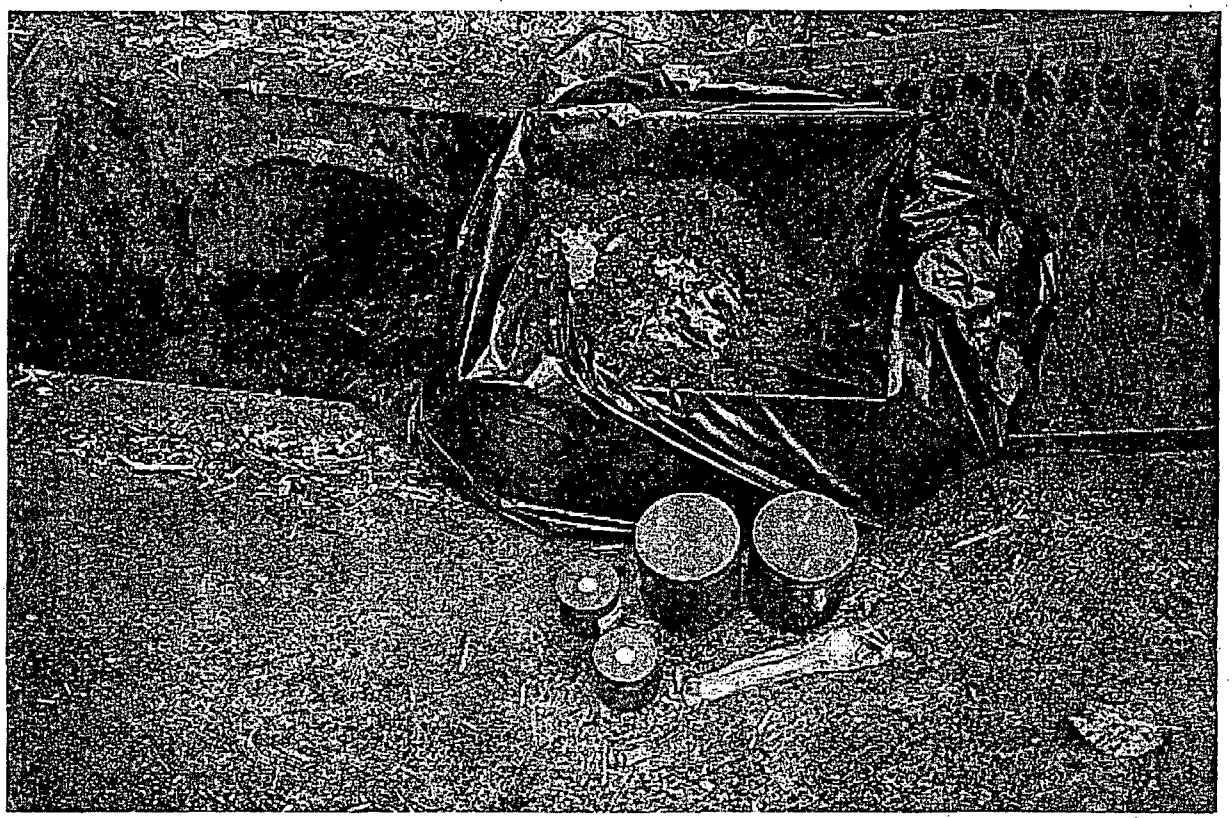


Photo A-7 View of 3A Soil looking east.

Photo A-8 View of Outfall 3 looking west.



PhotoA-9 View of Technique Used to Homengize Sample at Outfall 3.

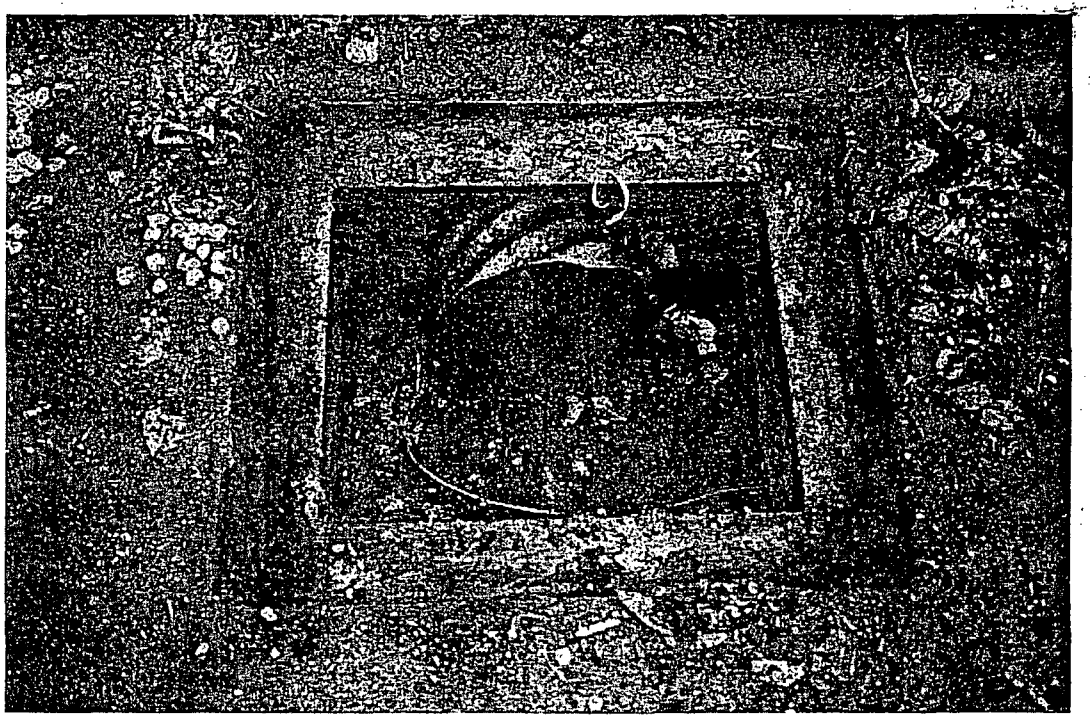


Photo A-10 View of Soil Collection at Outfall 2(w).

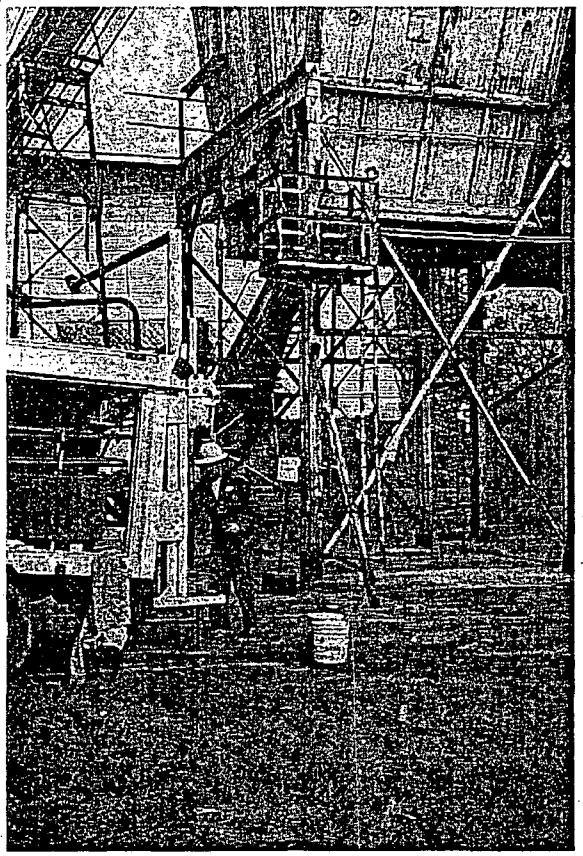


Photo A-11 Boiler House Sample Location.

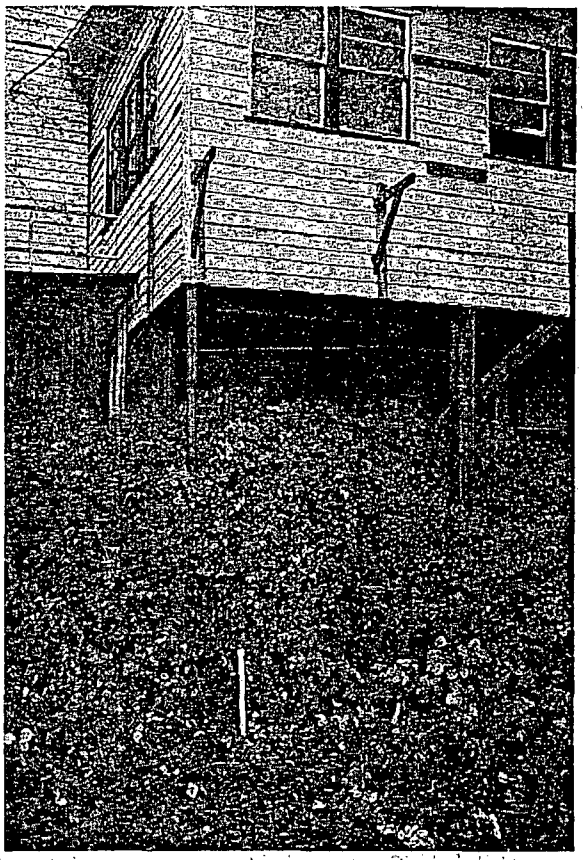


Photo A-12 Green End Sample Location.

Photo A-13 Wigwam Site Sample Location.

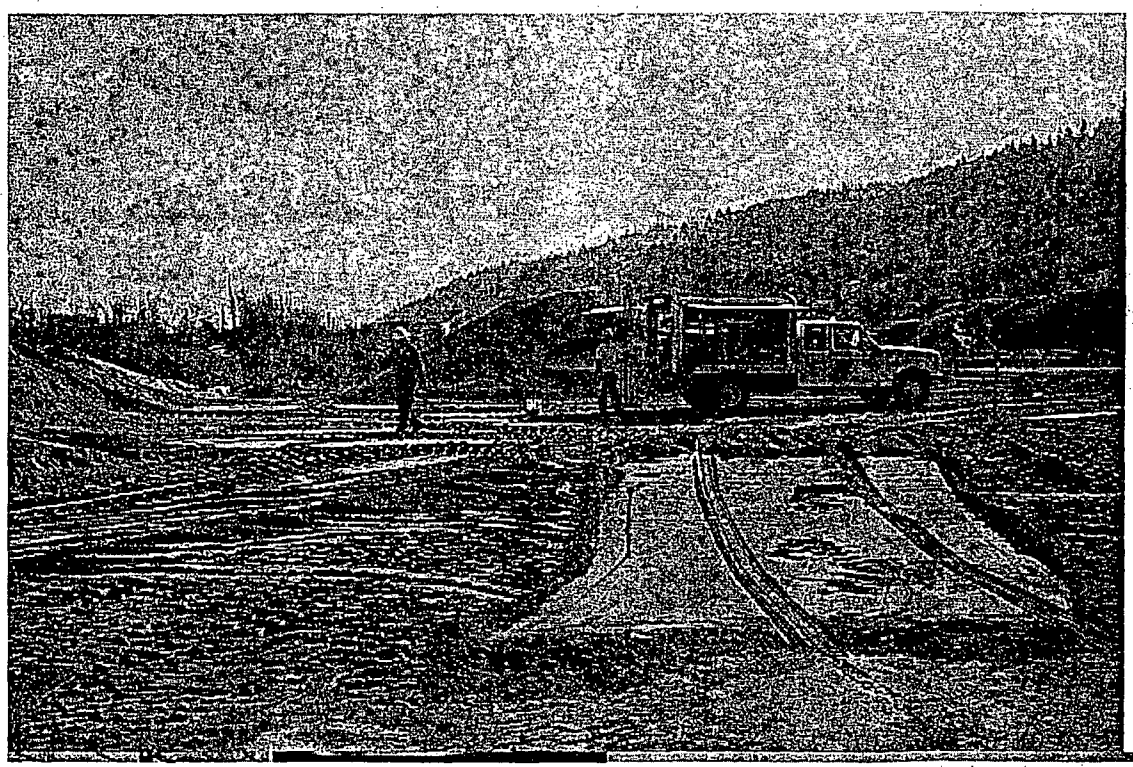


Photo A-14 Sander Dust Ash Sample Location Looking South.

Photo A-15 Maintenance Shop Sample Location Looking South.

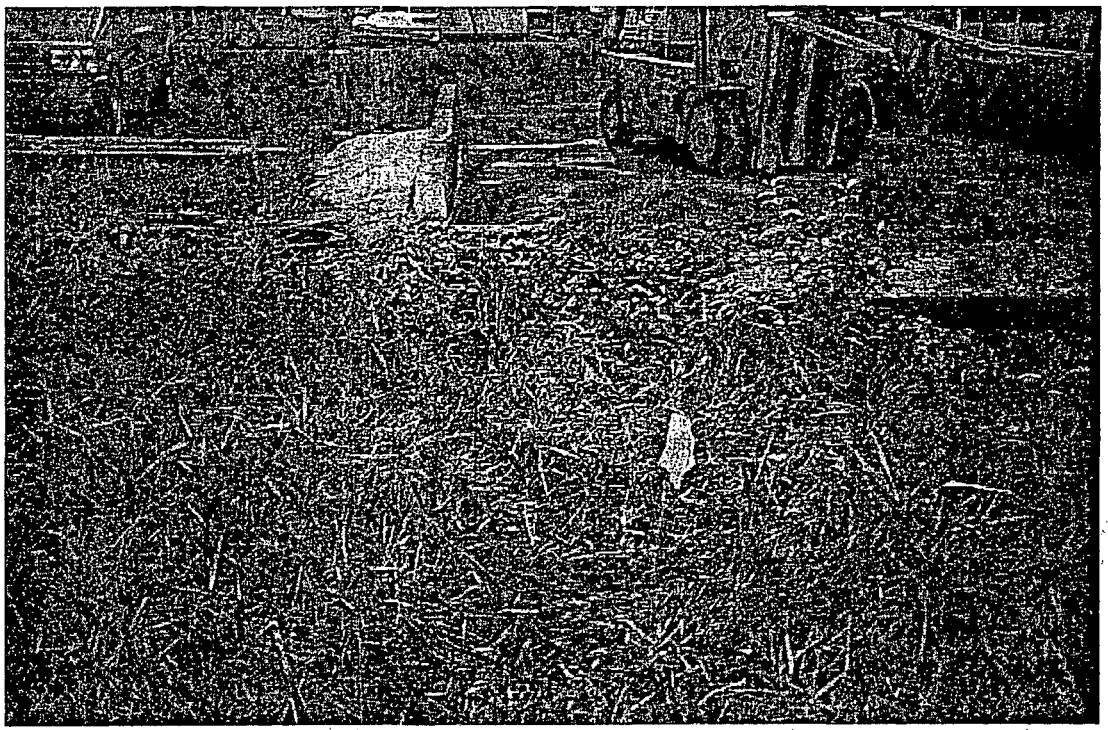


Photo A-16 Steam Cleaner Sample Location.

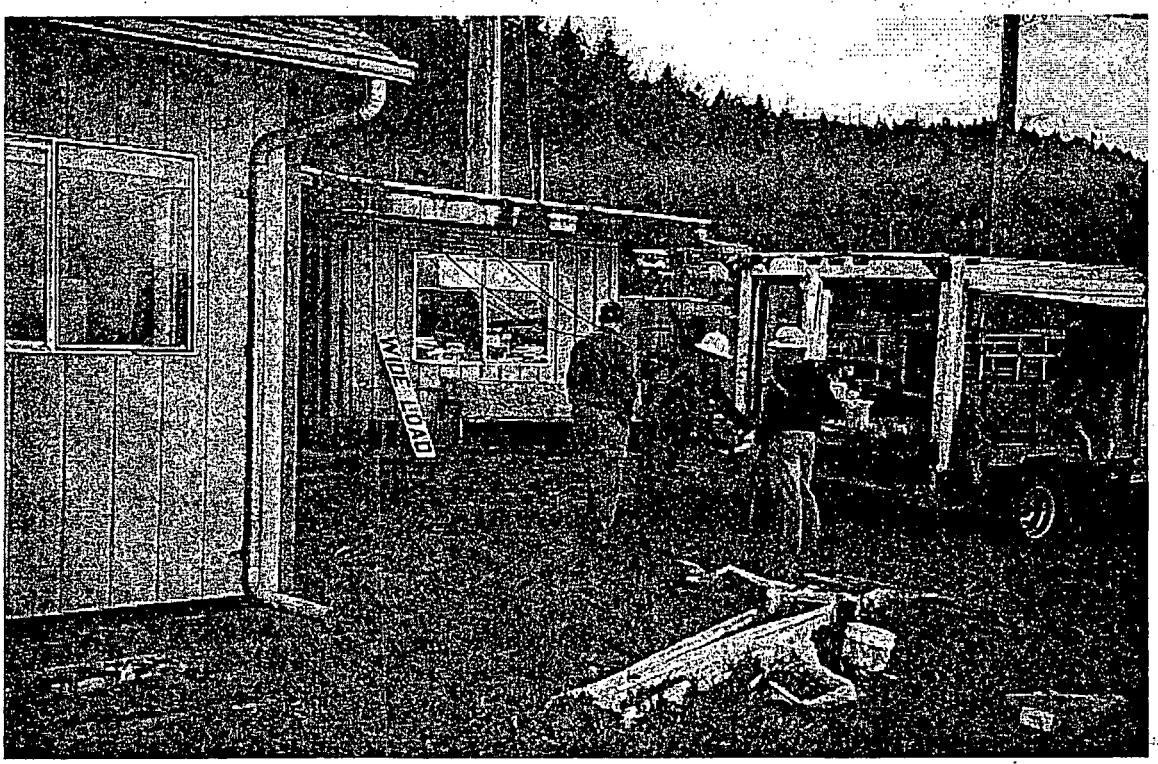


Photo A-17 Auto Repair Sample Location.

Photo A-18 Clark and Wilson Center Sample Location.

APPENDIX B

APPENDIX B

Analytical Data

CH2M HILL
Applied Sciences Group
2300 NW Walnut Blvd
Corvallis, OR
97330-3538
P.O. Box 428
Corvallis, OR
97339-0428
Tel 541.752.4271
Fax 541.752.0276

CH2MHILL
Applied Sciences Group

November 15, 2001

Linnton Plywood

167592.SA.01

RE: Laboratory Report for Linnton Plywood
Applied Sciences Group Reference No. 6321

Natalie Young Pong/PDX:

On October 22, 2001, CH2M HILL Applied Sciences Group received 11 samples with a request for analysis of selected parameters. All analyses were performed by CH2M HILL unless otherwise indicated below.

The analytical results and associated quality control data are enclosed. Any unusual difficulties encountered during the analysis of your samples are discussed in the case narrative.

This report does not meet NELAC requirements for the following reasons:

- NELAC has not provided our lab with accreditation for the following tests: SW8015-P.

CH2M HILL Applied Sciences Group appreciates your business and looks forward to serving your analytical needs again. If you should have any questions concerning the data, or if you need additional information, please call Ms. Kathy McKinley at (541) 758-0235, extension 3120.

Sincerely,

Mark Bos
Laboratory Representative

Enclosures

ACCREDITED IN ACCORDANCE WITH nelac
OR100022

CLIENT SAMPLE CROSS-REFERENCE

CH2M HILL Applied Sciences Group Reference No. 6321

Sample ID	Client Sample ID	Date Collected	Time Collected
632101	AUR01GW00	10/18/2001	11:15
632102	STC01GW00	10/18/2001	12:00
632103	BrH01GW00	10/18/2001	09:10
632104	WgB01GW00	10/18/2001	18:40
632105	SdA01GW00	10/18/2001	16:30
632106	CWC01GW00	10/18/2001	15:15
632107	CWS01GW00	10/18/2001	16:20
632108	MNS01GW00	10/18/2001	12:50
632109	GNE01GW00	10/19/2001	09:18
632110	BrH01GW00	10/19/2001	10:43
632111	Wigwan burner soil	10/17/2001	

CASE NARRATIVE
SEMI-VOLATILES

Lab Reference No.: 6321

Client/Project: Linnton Plywood

I. Holding Times:
All acceptance criteria were met.

II. Analysis:

A. Calibration:
All acceptance criteria were met.

B. Duplicate Sample(s):
All acceptance criteria were met.

C. Spike Sample(s):
All acceptance criteria were met.

D. Surrogate Recoveries:
All acceptance criteria were met.

E. Lab Control Sample(s):
All acceptance criteria were met.

F. Other:
None

III. Documentation Exceptions:
None

IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by: _____

Reviewed by: _____

CASE NARRATIVE
VOLATILES

Lab Reference No.: 6321

Client/Project: Linnton Plywood

I. Holding Times:
All acceptance criteria were met.

II. Analysis:

A. Calibration:
All acceptance criteria were met.

B. Duplicate Sample(s):
All acceptance criteria were met.

C. Spike Sample(s):
All acceptance criteria were met.

D. Surrogate Recoveries:
All acceptance criteria were met.

E. Lab Control Sample(s):
All acceptance criteria were met.

F. Other:
Due to the large amount of solids present in some of the sample containers, samples had to be decanted and diluted in order to facilitate analysis.

III. Documentation Exceptions:
None

IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by: _____

Reviewed by: _____

CASE NARRATIVE
METALS

Lab Reference No.: 6321

Client/Project: Linnton Plywood

I. Holding Time:
All acceptance criteria were met.

II. Digestion Exceptions:
None.

III. Analysis:

A. Calibration:
All acceptance criteria were met.

B. ICP Interference Check Sample:
All acceptance criteria were met.

C. Spike Sample(s):
All acceptance criteria were met.

D. Duplicate Sample(s):
All acceptance criteria were met.

E. Laboratory Control Sample(s):
All acceptance criteria were met.

F. ICP Serial Dilution:
Not Required.

G. Other:
None

IV. Documentation Exceptions:
None

V. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Prepared by: _____

Reviewed by: _____

CASE NARRATIVE
GC/MS SEMIVOLATILES

Lab Reference No.: 6321

Client/Project: Linnton Plywood

I. Holding Times:
All acceptance criteria were met.

II. Analysis:

A. Calibration:
All acceptance criteria were met.

B. Duplicate Sample(s):
All acceptance criteria were met.

C. Spike Sample(s):
All acceptance criteria were met.

D. Surrogate Recoveries:
Recovery of 2-fluorophenol for samples CWC01GW00, CWS01GW00, and MNS01GW00 were below criteria.

E. Lab Control Sample(s):
All acceptance criteria were met.

F. Other:
Due to the large amount of solids present in some of the sample containers, samples had to be decanted in order to facilitate analysis.

III. Documentation Exceptions:
None

IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by: Matthew W. [illegible]

Reviewed by: [illegible]

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Client Information		Lab Information	
Project Name:	Linnton Plywood	Lab Batch ID:	6321
Project Manager:	Natalie Young Pong/PDX		
Sampled By:	N. Young Pong	Date Received:	10/19, 22/2001
Sampling Date:	10/18,19/2001	Analysis Method:	SW 8015-P
Sampling Time:	See Cross reference	Report Revision No.:	0
Type:	Not Indicated	Analyzed By:	MAS
Matrix:	Water	Reviewed By:	SAA
Basis:	As Received	Units:	mg/L

Client ID	Lab ID	Gasoline Range Organics C7-C12 MRL	Gasoline Range Organics C7-C12 Result	Qualifier	Date Analyzed
METHOD BLANK	WB1-1023	0.039	0.039	U	10/23/2001
METHOD BLANK	WB1-1026	0.039	0.039	U	10/26/2001
AUR01GW00	632101	0.039	0.044		10/23/2001
STC01GW00	632102	0.039	0.050		10/23/2001
BrH01GW00	632103	0.039	0.040		10/23/2001
WgB01GW00	632104	0.039	0.096		10/23/2001
SdA01GW00	632105	0.039	0.039	U	10/26/2001
MNS01GW00	632108	0.039	0.049		10/23/2001
GNE01GW00	632109	0.039	0.042		10/26/2001

U=Not detected at specified reporting limit

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Client Information		Lab Information	
Project Name:	Linnton Plywood	**Lab Batch ID:**	**6321**
Project Manager:	Natalie Young Pong/PDX		
Sampled By:	N. Young Pong	Date Received:	10/19, 22/2001
Sampling Date:	10/18,19/2001	Analysis Method:	SW 8015-P
Sampling Time:	See Cross reference	Report Revision No.:	0
Type:	Not Indicated	Analyzed By:	MAS
Matrix:	Water	Reviewed By:	
Basis:	As Received	Units:	% Recovery

Client ID	Lab ID	Surrogate Spike Chlorobenzene (SS) % Recovery	Range % Recovery
METHOD BLANK	WB1-1023	84	70-130
METHOD BLANK	WB1-1026	119	70-130
AUR01GW00	632101	112	70-130
STC01GW00	632102	116	70-130
BrH01GW00	632103	112	70-130
WgB01GW00	632104	116	70-130
SdA01GW00	632105	119	70-130
MNS01GW00	632108	111	70-130
GNE01GW00	632109	119	70-130

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Client Information		Lab Information	
Project Name:	Linnton Plywood	**Lab Batch ID:**	**6321**
Project Manager:	Natalie Young Pong/PDX		
Sampled By:	N. Young Pong	Date Received:	10/19,22/2001
Sampling Date:	10/18-19/2001	Analysis Method:	SW8015M
Sampling Time:	See Cross reference	Report Revision No.:	0
Type:	Not Indicated	Analyzed By:	BM
Matrix:	Water	Reviewed By:	9.97
Basis:	As Received	Units:	mg/L

Client ID	Lab ID	Diesel Range Organics C12-C24 MRL	Diesel Range Organics C12-C24 Result	Qualifier	Date Analyzed
METHOD BLANK	WB1-1023	0.003	0.003	U	10/25/2001
STC01GW00	632102	0.017	0.017	U	10/25/2001
WgB01GW00	632104	0.042	0.042	U	10/25/2001
SdA01GW00	632105	0.011	0.239		10/25/2001
MNS01GW00	632108	0.063	4.34		10/25/2001
GNE01GW00	632109	0.017	0.017	U	10/25/2001
BrH01GW00	632110	0.013	0.013	U	10/25/2001

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Client Information		Lab Information	
Project Name:	Linnton Plywood	**Lab Batch ID:**	**6321**
Project Manager:	Natalie Young Pong/PDX		
Sampled By:	N. Young Pong	Date Received:	10/19,22/2001
Sampling Date:	10/18-19/2001	Analysis Method:	SW8015M
Sampling Time:	See Cross reference	Report Revision No.:	0
Type:	Not Indicated	Analyzed By:	BM
Matrix:	Water	Reviewed By:	
Basis:	As Received	Units:	% Recovery

Client ID	Lab ID	Surrogate Spike o-Terphenyl % Recovery	Range % Recovery
METHOD BLANK	WB1-1023	113	70-130
STC01GW00	632102	108	70-130
WgB01GW00	632104	104	70-130
SdA01GW00	632105	118	70-130
MNS01GW00	632108	114	70-130
GNE01GW00	632109	105	70-130
BrH01GW00	632110	116	70-130

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Client Information		Lab Information	
Client Sample ID:	**STC01GW00**	**Lab Sample ID:**	**632102**
Project Name:	Linnton Plywood	Date Received:	10/22/2001
Project Manager:	Natalie Young Pong/PDX	Report Revision No.:	0
Sampled By:	N. Young Pong	Reported By:	JG
Sampling Date:	10/18/01	Reviewed By:	JAT
Sampling Time:	12:00		
Type:	Grab		
Matrix:	Water		
Basis:	As Received		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	5.0	5.0	U	µg/L	EPA 200.7	10/24/01
Chromium, Cr	10.0	10.0	U	µg/L	EPA 200.7	10/24/01
Lead, Pb	3.0	17.8		µg/L	EPA 200.7	10/24/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**WgB01GW00**	**Lab Sample ID:**	**632104**
Project Name:	Linnton Plywood	Date Received:	10/22/2001
Project Manager:	Natalie Young Pong/PDX	Report Revision No.:	0
Sampled By:	N. Young Pong	Reported By:	JG
Sampling Date:	10/18/01	Reviewed By:	JAH
Sampling Time:	18:40		
Type:	Grab		
Matrix:	Water		
Basis:	As Received		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	5.0	5.0	U	µg/L	EPA 200.7	10/24/01
Chromium, Cr	10.0	10.0	U	µg/L	EPA 200.7	10/24/01
Copper, Cu	10.0	15.3		µg/L	EPA 200.7	10/24/01
Lead, Pb	3.0	15.1		µg/L	EPA 200.7	10/24/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**SdA01GW00**	**Lab Sample ID:**	**632105**
Project Name:	Linnton Plywood	Date Received:	10/22/2001
Project Manager:	Natalie Young Pong/PDX	Report Revision No.:	0
Sampled By:	N. Young Pong	Reported By:	JG
Sampling Date:	10/18/01	Reviewed By:	
Sampling Time:	16:30		
Type:	Grab		
Matrix:	Water		
Basis:	As Received		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	5.0	5.0	U	µg/L	EPA 200.7	10/24/01
Chromium, Cr	10.0	10.0	U	µg/L	EPA 200.7	10/24/01
Lead, Pb	3.0	3.2		µg/L	EPA 200.7	10/24/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**MNS01GW00**	**Lab Sample ID:**	**632108**
Project Name:	Linnton Plywood	Date Received:	10/22/2001
Project Manager:	Natalie Young Pong/PDX	Report Revision No.:	0
Sampled By:	N. Young Pong	Reported By:	JG
Sampling Date:	10/18/01	Reviewed By:	DAN
Sampling Time:	12:50		
Type:	Grab		
Matrix:	Water		
Basis:	As Received		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	5.0	5.0	U	µg/L	EPA 200.7	10/24/01
Chromium, Cr	10.0	66.1		µg/L	EPA 200.7	10/24/01
Copper, Cu	10.0	31.1		µg/L	EPA 200.7	10/24/01
Lead, Pb	3.0	424		µg/L	EPA 200.7	10/24/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**GNE01GW00**	**Lab Sample ID:**	**632109**
Project Name:	Linnton Plywood	Date Received:	10/22/2001
Project Manager:	Natalie Young Pong/PDX	Report Revision No.:	0
Sampled By:	N. Young Pong	Reported By:	JG
Sampling Date:	10/19/01	Reviewed By:	
Sampling Time:	09:18		
Type:	Grab		
Matrix:	Water		
Basis:	As Received		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	5.0	5.0	U	µg/L	EPA 200.7	10/24/01
Chromium, Cr	10.0	10.0	U	µg/L	EPA 200.7	10/24/01
Lead, Pb	3.0	6.4		µg/L	EPA 200.7	10/24/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**METHOD BLANK**	**Lab Sample ID:**	**6321**
Project Name:	Linnton Plywood	Date Received:	NA
Project Manager:	Natalie Young Pong/PDX	Report Revision No.:	0
Sampled By:	NA	Reported By:	JG
Sampling Date:	NA	Reviewed By:	[illegible]
Sampling Time:	NA		
Type:	QC		
Matrix:	Water		
Basis:	As Received		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	5.0	5.0	U	µg/L	EPA 200.7	10/24/01
Chromium, Cr	10.0	10.0	U	µg/L	EPA 200.7	10/24/01
Copper, Cu	10.0	10.0	U	µg/L	EPA 200.7	10/24/01
Lead, Pb	3.0	3.0	U	µg/L	EPA 200.7	10/24/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**AUR01GW00**	**Lab Sample ID:**	**632101**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/18/2001	Date Analyzed:	10/31/2001
Time Collected:	11:15	Dilution Factor:	1.3
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.3	1.3	U
Chloromethane	74-87-3	1.3	1.3	U
Vinyl Chloride	75-01-4	1.3	1.3	U
Bromomethane	74-83-9	1.3	1.3	U
Chloroethane	75-00-3	1.3	1.3	U
Trichlorofluoromethane	75-69-4	1.3	1.3	U
1,1-Dichloroethene	75-35-4	1.3	1.3	U
Methylene chloride	75-09-2	1.3	1.3	U
trans-1,2-Dichloroethene	156-60-5	1.3	1.3	U
1,1-Dichloroethane	75-34-3	1.3	1.3	U
cis-1,2-Dichloroethene	156-59-2	1.3	1.3	U
Bromochloromethane	74-97-5	1.3	1.3	U
Chloroform	67-66-3	1.3	1.3	U
2,2-Dichloropropane	594-20-7	1.3	1.3	U
1,2-Dichloroethane	107-06-2	1.3	1.3	U
1,1,1-Trichloroethane	71-55-6	1.3	1.3	U
1,1-Dichloropropene	563-58-6	1.3	1.3	U
Carbon Tetrachloride	56-23-5	1.3	1.3	U
Benzene	71-43-2	1.3	1.3	U
Dibromomethane	74-95-3	1.3	1.3	U
1,2-Dichloropropane	78-87-5	1.3	1.3	U
Trichloroethene	79-01-6	1.3	1.3	U
Bromodichloromethane	75-27-4	1.3	1.3	U
cis-1,3-Dichloropropene	10061-01-5	1.3	1.3	U
trans-1,3-Dichloropropene	10061-02-6	1.3	1.3	U
1,1,2-Trichloroethane	79-00-5	1.3	1.3	U
Toluene	108-88-3	1.3	1.3	U
1,3-Dichloropropane	142-28-9	1.3	1.3	U
Dibromochloromethane	124-48-1	1.3	1.3	U
1,2-Dibromoethane	106-93-4	1.3	1.3	U
Tetrachloroethene	127-18-4	1.3	1.3	U
1,1,1,2-Tetrachloroethane	630-20-6	1.3	1.3	U
Chlorobenzene	108-90-7	1.3	1.3	U
Ethylbenzene	100-41-4	1.3	1.3	U
m,p-Xylenes	1330-20-7	2.6	2.6	U
Bromoform	75-25-2	1.3	1.3	U
Styrene	100-42-5	1.3	1.3	U
1,1,2,2-Tetrachloroethane	79-34-5	1.3	1.3	U
o-Xylene	95-47-6	1.3	1.3	U
1,2,3-Trichloropropane	96-18-4	1.3	1.3	U
Isopropylbenzene	98-82-8	1.3	1.3	U
Bromobenzene	108-86-1	1.3	1.3	U
n-Propylbenzene	103-65-1	1.3	1.3	U
2-Chlorotoluene	95-49-8	1.3	1.3	U
4-Chlorotoluene	106-43-4	1.3	1.3	U

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Client Information		Lab Information	
Client Sample ID:	**AUR01GW00**	**Lab Sample ID:**	**632101**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/18/2001	Date Analyzed:	10/31/2001
Time Collected:	11:15	Dilution Factor:	1:3
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.3	1.3	U
tert-Butylbenzene	98-06-6	1.3	1.3	U
1,2,4-Trimethylbenzene	95-63-6	1.3	1.3	U
sec-Butylbenzene	135-98-8	1.3	1.3	U
1,3-Dichlorobenzene	541-73-1	1.3	1.3	U
1,4-Dichlorobenzene	106-46-7	1.3	1.3	U
p-Isopropyltoluene	99-87-6	1.3	1.3	U
1,2-Dichlorobenzene	95-50-1	1.3	1.3	U
n-Butylbenzene	104-51-8	1.3	1.3	U
1,2-Dibromo-3-chloropropane	96-12-8	1.3	1.3	U
1,2,4-Trichlorobenzene	120-82-1	1.3	1.3	U
Napthalene	91-20-3	1.3	1.3	U
Hexachlorobutadiene	87-68-3	1.3	1.3	U
1,2,3-Trichlorobenzene	87-61-6	1.3	1.3	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	75-125%	98%	SS
1,2-Dichloroethane-d4	17068-07-0	75-125%	102%	SS
Toluene-d8	2037-26-5	75-125%	99%	SS
p-Bromofluorobenzene	460-00-4	75-125%	94%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**STC01GW00**	**Lab Sample ID:**	**632102**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/18/2001	Date Analyzed:	10/31/2001
Time Collected:	12:00	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.0	1.0	U
Chloromethane	74-87-3	1.0	1.0	U
Vinyl Chloride	75-01-4	1.0	1.0	U
Bromomethane	74-83-9	1.0	1.0	U
Chloroethane	75-00-3	1.0	1.0	U
Trichlorofluoromethane	75-69-4	1.0	1.0	U
1,1-Dichloroethene	75-35-4	1.0	1.0	U
Methylene chloride	75-09-2	1.0	1.0	U
trans-1,2-Dichloroethene	156-60-5	1.0	1.0	U
1,1-Dichloroethane	75-34-3	1.0	1.0	U
cis-1,2-Dichloroethene	156-59-2	1.0	1.0	U
Bromochloromethane	74-97-5	1.0	1.0	U
Chloroform	67-66-3	1.0	1.0	U
2,2-Dichloropropane	594-20-7	1.0	1.0	U
1,2-Dichloroethane	107-06-2	1.0	1.0	U
1,1,1-Trichloroethane	71-55-6	1.0	1.0	U
1,1-Dichloropropene	563-58-6	1.0	1.0	U
Carbon Tetrachloride	56-23-5	1.0	1.0	U
Benzene	71-43-2	1.0	1.0	U
Dibromomethane	74-95-3	1.0	1.0	U
1,2-Dichloropropane	78-87-5	1.0	1.0	U
Trichloroethene	79-01-6	1.0	1.0	U
Bromodichloromethane	75-27-4	1.0	1.0	U
cis-1,3-Dichloropropene	10061-01-5	1.0	1.0	U
trans-1,3-Dichloropropene	10061-02-6	1.0	1.0	U
1,1,2-Trichloroethane	79-00-5	1.0	1.0	U
Toluene	108-88-3	1.0	1.0	U
1,3-Dichloropropane	142-28-9	1.0	1.0	U
Dibromochloromethane	124-48-1	1.0	1.0	U
1,2-Dibromoethane	106-93-4	1.0	1.0	U
Tetrachloroethene	127-18-4	1.0	1.0	U
1,1,1,2-Tetrachloroethane	630-20-6	1.0	1.0	U
Chlorobenzene	108-90-7	1.0	1.0	U
Ethylbenzene	100-41-4	1.0	1.0	U
m,p-Xylenes	1330-20-7	2.0	2.0	U
Bromoform	75-25-2	1.0	1.0	U
Styrene	100-42-5	1.0	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	1.0	1.0	U
o-Xylene	95-47-6	1.0	1.0	U
1,2,3-Trichloropropane	96-18-4	1.0	1.0	U
Isopropylbenzene	98-82-8	1.0	1.0	U
Bromobenzene	108-86-1	1.0	1.0	U
n-Propylbenzene	103-65-1	1.0	1.0	U
2-Chlorotoluene	95-49-8	1.0	1.0	U
4-Chlorotoluene	106-43-4	1.0	1.0	U

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Client Information		Lab Information	
Client Sample ID:	**STC01GW00**	**Lab Sample ID:**	**632102**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/18/2001	Date Analyzed:	10/31/2001
Time Collected:	12:00	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.0	1.0	U
tert-Butylbenzene	98-06-6	1.0	1.0	U
1,2,4-Trimethylbenzene	95-63-6	1.0	1.0	U
sec-Butylbenzene	135-98-8	1.0	1.0	U
1,3-Dichlorobenzene	541-73-1	1.0	1.0	U
1,4-Dichlorobenzene	106-46-7	1.0	1.0	U
p-Isopropyltoluene	99-87-6	1.0	1.0	U
1,2-Dichlorobenzene	95-50-1	1.0	1.0	U
n-Butylbenzene	104-51-8	1.0	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	1.0	1.0	U
1,2,4-Trichlorobenzene	120-82-1	1.0	1.0	U
Napthalene	91-20-3	1.0	1.0	U
Hexachlorobutadiene	87-68-3	1.0	1.0	U
1,2,3-Trichlorobenzene	87-61-6	1.0	1.0	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	75-125%	98%	SS
1,2-Dichloroethane-d4	17068-07-0	75-125%	100%	SS
Toluene-d8	2037-26-5	75-125%	96%	SS
p-Bromofluorobenzene	460-00-4	75-125%	92%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**BrH01GW00**	**Lab Sample ID:**	**632103**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/18/2001	Date Analyzed:	10/31/2001
Time Collected:	9:10	Dilution Factor:	2.2
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	2.2	2.2	U
Chloromethane	74-87-3	2.2	2.2	U
Vinyl Chloride	75-01-4	2.2	2.2	U
Bromomethane	74-83-9	2.2	2.2	U
Chloroethane	75-00-3	2.2	2.2	U
Trichlorofluoromethane	75-69-4	2.2	2.2	U
1,1-Dichloroethene	75-35-4	2.2	2.2	U
Methylene chloride	75-09-2	2.2	2.2	U
trans-1,2-Dichloroethene	156-60-5	2.2	2.2	U
1,1-Dichloroethane	75-34-3	2.2	2.2	U
cis-1,2-Dichloroethene	156-59-2	2.2	2.2	U
Bromochloromethane	74-97-5	2.2	2.2	U
Chloroform	67-66-3	2.2	2.2	U
2,2-Dichloropropane	594-20-7	2.2	2.2	U
1,2-Dichloroethane	107-06-2	2.2	2.2	U
1,1,1-Trichloroethane	71-55-6	2.2	2.2	U
1,1-Dichloropropene	563-58-6	2.2	2.2	U
Carbon Tetrachloride	56-23-5	2.2	2.2	U
Benzene	71-43-2	2.2	2.2	U
Dibromomethane	74-95-3	2.2	2.2	U
1,2-Dichloropropane	78-87-5	2.2	2.2	U
Trichloroethene	79-01-6	2.2	2.2	U
Bromodichloromethane	75-27-4	2.2	2.2	U
cis-1,3-Dichloropropene	10061-01-5	2.2	2.2	U
trans-1,3-Dichloropropene	10061-02-6	2.2	2.2	U
1,1,2-Trichloroethane	79-00-5	2.2	2.2	U
Toluene	108-88-3	2.2	2.2	U
1,3-Dichloropropane	142-28-9	2.2	2.2	U
Dibromochloromethane	124-48-1	2.2	2.2	U
1,2-Dibromoethane	106-93-4	2.2	2.2	U
Tetrachloroethene	127-18-4	2.2	2.2	U
1,1,1,2-Tetrachloroethane	630-20-6	2.2	2.2	U
Chlorobenzene	108-90-7	2.2	2.2	U
Ethylbenzene	100-41-4	2.2	2.2	U
m,p-Xylenes	1330-20-7	4.4	4.4	U
Bromoform	75-25-2	2.2	2.2	U
Styrene	100-42-5	2.2	2.2	U
1,1,2,2-Tetrachloroethane	79-34-5	2.2	2.2	U
o-Xylene	95-47-6	2.2	2.2	U
1,2,3-Trichloropropane	96-18-4	2.2	2.2	U
Isopropylbenzene	98-82-8	2.2	2.2	U
Bromobenzene	108-86-1	2.2	2.2	U
n-Propylbenzene	103-65-1	2.2	2.2	U
2-Chlorotoluene	95-49-8	2.2	2.2	U
4-Chlorotoluene	106-43-4	2.2	2.2	U

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Client Information		Lab Information	
Client Sample ID:	**BrH01GW00**	**Lab Sample ID:**	**632103**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/18/2001	Date Analyzed:	10/31/2001
Time Collected:	9:10	Dilution Factor:	2.2
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	2.2	2.2	U
tert-Butylbenzene	98-06-6	2.2	2.2	U
1,2,4-Trimethylbenzene	95-63-6	2.2	2.2	U
sec-Butylbenzene	135-98-8	2.2	2.2	U
1,3-Dichlorobenzene	541-73-1	2.2	2.2	U
1,4-Dichlorobenzene	106-46-7	2.2	2.2	U
p-Isopropyltoluene	99-87-6	2.2	2.2	U
1,2-Dichlorobenzene	95-50-1	2.2	2.2	U
n-Butylbenzene	104-51-8	2.2	2.2	U
1,2-Dibromo-3-chloropropane	96-12-8	2.2	2.2	U
1,2,4-Trichlorobenzene	120-82-1	2.2	2.2	U
Napthalene	91-20-3	2.2	2.2	U
Hexachlorobutadiene	87-68-3	2.2	2.2	U
1,2,3-Trichlorobenzene	87-61-6	2.2	2.2	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	75-125%	99%	SS
1,2-Dichloroethane-d4	17068-07-0	75-125%	101%	SS
Toluene-d8	2037-26-5	75-125%	96%	SS
p-Bromofluorobenzene	460-00-4	75-125%	92%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**SdA01GW00**	**Lab Sample ID:**	**632105**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/18/2001	Date Analyzed:	10/31/2001
Time Collected:	16:30	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.0	1.0	U
Chloromethane	74-87-3	1.0	1.0	U
Vinyl Chloride	75-01-4	1.0	1.0	U
Bromomethane	74-83-9	1.0	1.0	U
Chloroethane	75-00-3	1.0	1.0	U
Trichlorofluoromethane	75-69-4	1.0	1.0	U
1,1-Dichloroethene	75-35-4	1.0	1.0	U
Methylene chloride	75-09-2	1.0	1.0	U
trans-1,2-Dichloroethene	156-60-5	1.0	1.0	U
1,1-Dichloroethane	75-34-3	1.0	1.0	U
cis-1,2-Dichloroethene	156-59-2	1.0	1.0	U
Bromochloromethane	74-97-5	1.0	1.0	U
Chloroform	67-66-3	1.0	1.0	U
2,2-Dichloropropane	594-20-7	1.0	1.0	U
1,2-Dichloroethane	107-06-2	1.0	1.0	U
1,1,1-Trichloroethane	71-55-6	1.0	1.0	U
1,1-Dichloropropene	563-58-6	1.0	1.0	U
Carbon Tetrachloride	56-23-5	1.0	1.0	U
Benzene	71-43-2	1.0	1.0	U
Dibromomethane	74-95-3	1.0	1.0	U
1,2-Dichloropropane	78-87-5	1.0	1.0	U
Trichloroethene	79-01-6	1.0	1.0	U
Bromodichloromethane	75-27-4	1.0	1.0	U
cis-1,3-Dichloropropene	10061-01-5	1.0	1.0	U
trans-1,3-Dichloropropene	10061-02-6	1.0	1.0	U
1,1,2-Trichloroethane	79-00-5	1.0	1.0	U
Toluene	108-88-3	1.0	1.0	U
1,3-Dichloropropane	142-28-9	1.0	1.0	U
Dibromochloromethane	124-48-1	1.0	1.0	U
1,2-Dibromoethane	106-93-4	1.0	1.0	U
Tetrachloroethene	127-18-4	1.0	1.0	U
1,1,1,2-Tetrachloroethane	630-20-6	1.0	1.0	U
Chlorobenzene	108-90-7	1.0	1.0	U
Ethylbenzene	100-41-4	1.0	1.0	U
m,p-Xylenes	1330-20-7	2.0	2.0	U
Bromoform	75-25-2	1.0	1.0	U
Styrene	100-42-5	1.0	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	1.0	1.0	U
o-Xylene	95-47-6	1.0	1.0	U
1,2,3-Trichloropropane	96-18-4	1.0	1.0	U
Isopropylbenzene	98-82-8	1.0	1.0	U
Bromobenzene	108-86-1	1.0	1.0	U
n-Propylbenzene	103-65-1	1.0	1.0	U
2-Chlorotoluene	95-49-8	1.0	1.0	U
4-Chlorotoluene	106-43-4	1.0	1.0	U

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Client Information		Lab Information	
Client Sample ID:	**SdA01GW00**	**Lab Sample ID:**	**632105**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/18/2001	Date Analyzed:	10/31/2001
Time Collected:	16:30	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.0	1.0	U
tert-Butylbenzene	98-06-6	1.0	1.0	U
1,2,4-Trimethylbenzene	95-63-6	1.0	1.0	U
sec-Butylbenzene	135-98-8	1.0	1.0	U
1,3-Dichlorobenzene	541-73-1	1.0	1.0	U
1,4-Dichlorobenzene	106-46-7	1.0	1.0	U
p-Isopropyltoluene	99-87-6	1.0	1.0	U
1,2-Dichlorobenzene	95-50-1	1.0	1.0	U
n-Butylbenzene	104-51-8	1.0	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	1.0	1.0	U
1,2,4-Trichlorobenzene	120-82-1	1.0	1.0	U
Napthalene	91-20-3	1.0	1.0	U
Hexachlorobutadiene	87-68-3	1.0	1.0	U
1,2,3-Trichlorobenzene	87-61-6	1.0	1.0	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	75-125%	100%	SS
1,2-Dichloroethane-d4	17068-07-0	75-125%	102%	SS
Toluene-d8	2037-26-5	75-125%	99%	SS
p-Bromofluorobenzene	460-00-4	75-125%	93%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**MNS01GW00**	**Lab Sample ID:**	**632108**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/18/2001	Date Analyzed:	10/31/2001
Time Collected:	12:50	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.0	1.0	U
Chloromethane	74-87-3	1.0	1.0	U
Vinyl Chloride	75-01-4	1.0	1.0	U
Bromomethane	74-83-9	1.0	1.0	U
Chloroethane	75-00-3	1.0	1.0	U
Trichlorofluoromethane	75-69-4	1.0	1.0	U
1,1-Dichloroethene	75-35-4	1.0	1.0	U
Methylene chloride	75-09-2	1.0	1.0	U
trans-1,2-Dichloroethene	156-60-5	1.0	1.0	U
1,1-Dichloroethane	75-34-3	1.0	1.0	U
cis-1,2-Dichloroethene	156-59-2	1.0	1.0	U
Bromochloromethane	74-97-5	1.0	1.0	U
Chloroform	67-66-3	1.0	1.0	U
2,2-Dichloropropane	594-20-7	1.0	1.0	U
1,2-Dichloroethane	107-06-2	1.0	1.0	U
1,1,1-Trichloroethane	71-55-6	1.0	1.0	U
1,1-Dichloropropene	563-58-6	1.0	1.0	U
Carbon Tetrachloride	56-23-5	1.0	1.0	U
Benzene	71-43-2	1.0	1.0	U
Dibromomethane	74-95-3	1.0	1.0	U
1,2-Dichloropropane	78-87-5	1.0	1.0	U
Trichloroethene	79-01-6	1.0	1.0	U
Bromodichloromethane	75-27-4	1.0	1.0	U
cis-1,3-Dichloropropene	10061-01-5	1.0	1.0	U
trans-1,3-Dichloropropene	10061-02-6	1.0	1.0	U
1,1,2-Trichloroethane	79-00-5	1.0	1.0	U
Toluene	108-88-3	1.0	1.0	U
1,3-Dichloropropane	142-28-9	1.0	1.0	U
Dibromochloromethane	124-48-1	1.0	1.0	U
1,2-Dibromoethane	106-93-4	1.0	1.0	U
Tetrachloroethene	127-18-4	1.0	1.0	U
1,1,1,2-Tetrachloroethane	630-20-6	1.0	1.0	U
Chlorobenzene	108-90-7	1.0	1.0	U
Ethylbenzene	100-41-4	1.0	1.0	U
m,p-Xylenes	1330-20-7	2.0	2.0	U
Bromoform	75-25-2	1.0	1.0	U
Styrene	100-42-5	1.0	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	1.0	1.0	U
o-Xylene	95-47-6	1.0	1.0	U
1,2,3-Trichloropropane	96-18-4	1.0	1.0	U
Isopropylbenzene	98-82-8	1.0	1.0	U
Bromobenzene	108-86-1	1.0	1.0	U
n-Propylbenzene	103-65-1	1.0	1.0	U
2-Chlorotoluene	95-49-8	1.0	1.0	U
4-Chlorotoluene	106-43-4	1.0	1.0	U

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Client Information		Lab Information	
Client Sample ID:	**MNS01GW00**	**Lab Sample ID:**	**632108**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/18/2001	Date Analyzed:	10/31/2001
Time Collected:	12:50	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.0	1.0	U
tert-Butylbenzene	98-06-6	1.0	1.0	U
1,2,4-Trimethylbenzene	95-63-6	1.0	1.0	U
sec-Butylbenzene	135-98-8	1.0	1.0	U
1,3-Dichlorobenzene	541-73-1	1.0	1.0	U
1,4-Dichlorobenzene	106-46-7	1.0	1.0	U
p-Isopropyltoluene	99-87-6	1.0	1.0	U
1,2-Dichlorobenzene	95-50-1	1.0	1.0	U
n-Butylbenzene	104-51-8	1.0	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	1.0	1.0	U
1,2,4-Trichlorobenzene	120-82-1	1.0	1.0	U
Napthalene	91-20-3	1.0	1.0	U
Hexachlorobutadiene	87-68-3	1.0	1.0	U
1,2,3-Trichlorobenzene	87-61-6	1.0	1.0	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	75-125%	99%	SS
1,2-Dichloroethane-d4	17068-07-0	75-125%	100%	SS
Toluene-d8	2037-26-5	75-125%	96%	SS
p-Bromofluorobenzene	460-00-4	75-125%	92%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**GNE01GW00**	**Lab Sample ID:**	**632109**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/19/2001	Date Analyzed:	10/31/2001
Time Collected:	9:18	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.0	1.0	U
Chloromethane	74-87-3	1.0	1.0	U
Vinyl Chloride	75-01-4	1.0	1.0	U
Bromomethane	74-83-9	1.0	1.0	U
Chloroethane	75-00-3	1.0	1.0	U
Trichlorofluoromethane	75-69-4	1.0	1.0	U
1,1-Dichloroethene	75-35-4	1.0	1.0	U
Methylene chloride	75-09-2	1.0	1.0	U
trans-1,2-Dichloroethene	156-60-5	1.0	1.0	U
1,1-Dichloroethane	75-34-3	1.0	1.0	U
cis-1,2-Dichloroethene	156-59-2	1.0	1.0	U
Bromochloromethane	74-97-5	1.0	1.0	U
Chloroform	67-66-3	1.0	1.0	U
2,2-Dichloropropane	594-20-7	1.0	1.0	U
1,2-Dichloroethane	107-06-2	1.0	1.0	U
1,1,1-Trichloroethane	71-55-6	1.0	1.0	U
1,1-Dichloropropene	563-58-6	1.0	1.0	U
Carbon Tetrachloride	56-23-5	1.0	1.0	U
Benzene	71-43-2	1.0	1.0	U
Dibromomethane	74-95-3	1.0	1.0	U
1,2-Dichloropropane	78-87-5	1.0	1.0	U
Trichloroethene	79-01-6	1.0	1.0	U
Bromodichloromethane	75-27-4	1.0	1.0	U
cis-1,3-Dichloropropene	10061-01-5	1.0	1.0	U
trans-1,3-Dichloropropene	10061-02-6	1.0	1.0	U
1,1,2-Trichloroethane	79-00-5	1.0	1.0	U
Toluene	108-88-3	1.0	1.0	U
1,3-Dichloropropane	142-28-9	1.0	1.0	U
Dibromochloromethane	124-48-1	1.0	1.0	U
1,2-Dibromoethane	106-93-4	1.0	1.0	U
Tetrachloroethene	127-18-4	1.0	1.0	U
1,1,1,2-Tetrachloroethane	630-20-6	1.0	1.0	U
Chlorobenzene	108-90-7	1.0	1.0	U
Ethylbenzene	100-41-4	1.0	1.0	U
m,p-Xylenes	1330-20-7	2.0	2.0	U
Bromoform	75-25-2	1.0	1.0	U
Styrene	100-42-5	1.0	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	1.0	1.0	U
o-Xylene	95-47-6	1.0	1.0	U
1,2,3-Trichloropropane	96-18-4	1.0	1.0	U
Isopropylbenzene	98-82-8	1.0	1.0	U
Bromobenzene	108-86-1	1.0	1.0	U
n-Propylbenzene	103-65-1	1.0	1.0	U
2-Chlorotoluene	95-49-8	1.0	1.0	U
4-Chlorotoluene	106-43-4	1.0	1.0	U

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Client Information		Lab Information	
Client Sample ID:	**GNE01GW00**	**Lab Sample ID:**	**632109**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	N. Young Pong	Date Received:	10/22/2001
Date Collected:	10/19/2001	Date Analyzed:	10/31/2001
Time Collected:	9:18	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.0	1.0	U
tert-Butylbenzene	98-06-6	1.0	1.0	U
1,2,4-Trimethylbenzene	95-63-6	1.0	1.0	U
sec-Butylbenzene	135-98-8	1.0	1.0	U
1,3-Dichlorobenzene	541-73-1	1.0	1.0	U
1,4-Dichlorobenzene	106-46-7	1.0	1.0	U
p-Isopropyltoluene	99-87-6	1.0	1.0	U
1,2-Dichlorobenzene	95-50-1	1.0	1.0	U
n-Butylbenzene	104-51-8	1.0	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	1.0	1.0	U
1,2,4-Trichlorobenzene	120-82-1	1.0	1.0	U
Napthalene	91-20-3	1.0	1.0	U
Hexachlorobutadiene	87-68-3	1.0	1.0	U
1,2,3-Trichlorobenzene	87-61-6	1.0	1.0	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	75-125%	97%	SS
1,2-Dichloroethane-d4	17068-07-0	75-125%	102%	SS
Toluene-d8	2037-26-5	75-125%	97%	SS
p-Bromofluorobenzene	460-00-4	75-125%	92%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**METHOD BLANK**	**Lab Sample ID:**	**WB1-1031**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	NA	Date Received:	NA
Date Collected:	NA	Date Analyzed:	10/31/2001
Time Collected:	NA	Dilution Factor:	1
Type:	QC	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.0	1.0	U
Chloromethane	74-87-3	1.0	1.0	U
Vinyl Chloride	75-01-4	1.0	1.0	U
Bromomethane	74-83-9	1.0	1.0	U
Chloroethane	75-00-3	1.0	1.0	U
Trichlorofluoromethane	75-69-4	1.0	1.0	U
1,1-Dichloroethene	75-35-4	1.0	1.0	U
Methylene chloride	75-09-2	1.0	1.0	U
trans-1,2-Dichloroethene	156-60-5	1.0	1.0	U
1,1-Dichloroethane	75-34-3	1.0	1.0	U
cis-1,2-Dichloroethene	156-59-2	1.0	1.0	U
Bromochloromethane	74-97-5	1.0	1.0	U
Chloroform	67-66-3	1.0	1.0	U
2,2-Dichloropropane	594-20-7	1.0	1.0	U
1,2-Dichloroethane	107-06-2	1.0	1.0	U
1,1,1-Trichloroethane	71-55-6	1.0	1.0	U
1,1-Dichloropropene	563-58-6	1.0	1.0	U
Carbon Tetrachloride	56-23-5	1.0	1.0	U
Benzene	71-43-2	1.0	1.0	U
Dibromomethane	74-95-3	1.0	1.0	U
1,2-Dichloropropane	78-87-5	1.0	1.0	U
Trichloroethene	79-01-6	1.0	1.0	U
Bromodichloromethane	75-27-4	1.0	1.0	U
cis-1,3-Dichloropropene	10061-01-5	1.0	1.0	U
trans-1,3-Dichloropropene	10061-02-6	1.0	1.0	U
1,1,2-Trichloroethane	79-00-5	1.0	1.0	U
Toluene	108-88-3	1.0	1.0	U
1,3-Dichloropropane	142-28-9	1.0	1.0	U
Dibromochloromethane	124-48-1	1.0	1.0	U
1,2-Dibromoethane	106-93-4	1.0	1.0	U
Tetrachloroethene	127-18-4	1.0	1.0	U
1,1,1,2-Tetrachloroethane	630-20-6	1.0	1.0	U
Chlorobenzene	108-90-7	1.0	1.0	U
Ethylbenzene	100-41-4	1.0	1.0	U
m,p-Xylenes	1330-20-7	2.0	2.0	U
Bromoform	75-25-2	1.0	1.0	U
Styrene	100-42-5	1.0	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	1.0	1.0	U
o-Xylene	95-47-6	1.0	1.0	U
1,2,3-Trichloropropane	96-18-4	1.0	1.0	U
Isopropylbenzene	98-82-8	1.0	1.0	U
Bromobenzene	108-86-1	1.0	1.0	U
n-Propylbenzene	103-65-1	1.0	1.0	U
2-Chlorotoluene	95-49-8	1.0	1.0	U
4-Chlorotoluene	106-43-4	1.0	1.0	U

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Client Information		Lab Information	
Client Sample ID:	**METHOD BLANK**	**Lab Sample ID:**	**WB1-1031**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Natalie Young Pong/PDX	Units:	µg/L
Sampled By:	NA	Date Received:	NA
Date Collected:	NA	Date Analyzed:	10/31/2001
Time Collected:	NA	Dilution Factor:	1
Type:	QC	Report Revision No.:	0
Matrix:	Water	Reported By:	MCB
Basis:	As Received	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.0	1.0	U
tert-Butylbenzene	98-06-6	1.0	1.0	U
1,2,4-Trimethylbenzene	95-63-6	1.0	1.0	U
sec-Butylbenzene	135-98-8	1.0	1.0	U
1,3-Dichlorobenzene	541-73-1	1.0	1.0	U
1,4-Dichlorobenzene	106-46-7	1.0	1.0	U
p-Isopropyltoluene	99-87-6	1.0	1.0	U
1,2-Dichlorobenzene	95-50-1	1.0	1.0	U
n-Butylbenzene	104-51-8	1.0	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	1.0	1.0	U
1,2,4-Trichlorobenzene	120-82-1	1.0	1.0	U
Napthalene	91-20-3	1.0	1.0	U
Hexachlorobutadiene	87-68-3	1.0	1.0	U
1,2,3-Trichlorobenzene	87-61-6	1.0	1.0	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	75-125%	97%	SS
1,2-Dichloroethane-d4	17068-07-0	75-125%	98%	SS
Toluene-d8	2037-26-5	75-125%	98%	SS
p-Bromofluorobenzene	460-00-4	75-125%	95%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**STC01GW00**	**Lab ID:**	**632102**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	12:00	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	BCJ
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	8	8	U
bis(2-Chloroethyl) ether	8	8	U
2-Chlorophenol	8	8	U
1,3-Dichlorobenzene	8	8	U
1,4-Dichlorobenzene	8	8	U
Benzyl Alcohol	16	16	U
1,2-Dichlorobenzene	8	8	U
o-cresol	8	8	U
bis(2-chloroisopropyl) ether	8	8	U
m,p-cresol	8	8	U
n-Nitrosodi-n-propylamine	8	8	U
Hexachloroethane	8	8	U
Benzoic Acid	39	39	U
Nitrobenzene	8	8	U
Isophorone	8	8	U
2-Nitrophenol	8	8	U
2,4-Dimethylphenol	8	8	U
bis(2-Chloroethoxy) methane	8	8	U
2,4-Dichlorophenol	8	8	U
1,2,4-Trichlorobenzene	8	8	U
Naphthalene	8	8	U
4-chloroaniline	16	16	U
Hexachlorobutadiene	8	8	U
4-Chloro-3-methylphenol	16	16	U
2-methylnaphthalene	8	8	U
Hexachlorocyclopentadiene	8	8	U
2,4,6-Trichlorophenol	8	8	U
2,4,5-Trichlorophenol	39	39	U
2-Chloronaphthalene	8	8	U
2-Nitroaniline	39	39	U
Dimethyl phthalate	8	8	U
Acenaphthylene	8	8	U
2,6-Dinitrotoluene	8	8	U
Acenaphthene	8	8	U
2,4-Dinitrophenol	39	39	U
4-Nitrophenol	39	39	U
2,4-Dinitrotoluene	8	8	U

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Client Information		Lab Information	
Client Sample ID:	**STC01GW00**	**Lab ID:**	**632102**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	12:00	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	8	8	U
Diethyl phthalate	8	8	U
3-nitroaniline	39	39	U
Fluorene	8	8	U
4-Chlorophenyl phenyl ether	8	8	U
4-Nitroaniline	39	39	U
4,6-Dinitro-2-methylphenol	39	39	U
n-Nitrosodiphenylamine	8	8	U
4-Bromophenyl phenyl ether	8	8	U
Hexachlorobenzene	8	8	U
Pentachlorophenol	39	39	U
Phenanthrene	8	8	U
Anthracene	8	8	U
Carbazole	8	8	U
Di-n-butyl phthalate	8	8	U
Fluoranthene	8	8	U
Pyrene	8	8	U
Benzyl butyl phthalate	8	8	U
Benzo(a)anthracene	8	8	U
3,3'-Dichlorobenzidine	16	16	U
Chrysene	8	8	U
bis(2-Ethylhexyl) phthalate	8	8	U
Di-n-octylphthalate	8	8	U
Benzo(b)fluoranthene	8	8	U
Benzo(k)fluoranthene	8	8	U
Benzo(a)pyrene	8	8	U
Indeno(1,2,3-c,d)pyrene	8	8	U
Dibenz(a,h)anthracene	8	8	U
Benzo(g,h,i)perylene	8	8	U

Surrogate	%Recovery	Range
2-Fluorophenol	47%	21 - 115
Phenol-d5	37%	5 - 115
Nitrobenzene-d5	79%	35 - 114
2-Fluorobiphenyl	71%	43 - 116
2,4,6-Tribromophenol	70%	5 - 123
Terphenyl-d14	84%	33 - 141

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Client Information		Lab Information	
Client Sample ID:	**WgB01GW00**	**Lab ID:**	**632104**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	18:40	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	21	21	U
bis(2-Chloroethyl) ether	21	21	U
2-Chlorophenol	21	21	U
1,3-Dichlorobenzene	21	21	U
1,4-Dichlorobenzene	21	21	U
Benzyl Alcohol	43	43	U
1,2-Dichlorobenzene	21	21	U
o-cresol	21	21	U
bis(2-chloroisopropyl) ether	21	21	U
m,p-cresol	21	21	U
n-Nitrosodi-n-propylamine	21	21	U
Hexachloroethane	21	21	U
Benzoic Acid	106	106	U
Nitrobenzene	21	21	U
Isophorone	21	21	U
2-Nitrophenol	21	21	U
2,4-Dimethylphenol	21	21	U
bis(2-Chloroethoxy) methane	21	21	U
2,4-Dichlorophenol	21	21	U
1,2,4-Trichlorobenzene	21	21	U
Naphthalene	21	21	U
4-chloroaniline	43	43	U
Hexachlorobutadiene	21	21	U
4-Chloro-3-methylphenol	43	43	U
2-methylnaphthalene	21	21	U
Hexachlorocyclopentadiene	21	21	U
2,4,6-Trichlorophenol	21	21	U
2,4,5-Trichlorophenol	106	106	U
2-Chloronaphthalene	21	21	U
2-Nitroaniline	106	106	U
Dimethyl phthalate	21	21	U
Acenaphthylene	21	21	U
2,6-Dinitrotoluene	21	21	U
Acenaphthene	21	21	U
2,4-Dinitrophenol	106	106	U
4-Nitrophenol	106	106	U
2,4-Dinitrotoluene	21	21	U

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Client Information		Lab Information	
Client Sample ID:	**WgB01GW00**	**Lab ID:**	**632104**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	18:40	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	21	21	U
Diethyl phthalate	21	21	U
3-nitroaniline	106	106	U
Fluorene	21	21	U
4-Chlorophenyl phenyl ether	21	21	U
4-Nitroaniline	106	106	U
4,6-Dinitro-2-methylphenol	106	106	U
n-Nitrosodiphenylamine	21	21	U
4-Bromophenyl phenyl ether	21	21	U
Hexachlorobenzene	21	21	U
Pentachlorophenol	106	106	U
Phenanthrene	21	21	U
Anthracene	21	21	U
Carbazole	21	21	U
Di-n-butyl phthalate	21	21	U
Fluoranthene	21	21	U
Pyrene	21	21	U
Benzyl butyl phthalate	21	21	U
Benzo(a)anthracene	21	21	U
3,3'-Dichlorobenzidine	43	43	U
Chrysene	21	21	U
bis(2-Ethylhexyl) phthalate	21	21	U
Di-n-octylphthalate	21	21	U
Benzo(b)fluoranthene	21	21	U
Benzo(k)fluoranthene	21	21	U
Benzo(a)pyrene	21	21	U
Indeno(1,2,3-c,d)pyrene	21	21	U
Dibenz(a,h)anthracene	21	21	U
Benzo(g,h,i)perylene	21	21	U

Surrogate	%Recovery	Range
2-Fluorophenol	34%	21 - 115
Phenol-d5	41%	5 - 115
Nitrobenzene-d5	76%	35 - 114
2-Fluorobiphenyl	64%	43 - 116
2,4,6-Tribromophenol	35%	5 - 123
Terphenyl-d14	88%	33 - 141

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Client Information		Lab Information	
Client Sample ID:	**SdA01GW00**	**Lab ID:**	**632105**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	16:30	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	12	12	U
bis(2-Chloroethyl) ether	12	12	U
2-Chlorophenol	12	12	U
1,3-Dichlorobenzene	12	12	U
1,4-Dichlorobenzene	12	12	U
Benzyl Alcohol	24	24	U
1,2-Dichlorobenzene	12	12	U
o-cresol	12	12	U
bis(2-chloroisopropyl) ether	12	12	U
m,p-cresol	12	12	U
n-Nitrosodi-n-propylamine	12	12	U
Hexachloroethane	12	12	U
Benzoic Acid	61	61	U
Nitrobenzene	12	12	U
Isophorone	12	12	U
2-Nitrophenol	12	12	U
2,4-Dimethylphenol	12	12	U
bis(2-Chloroethoxy) methane	12	12	U
2,4-Dichlorophenol	12	12	U
1,2,4-Trichlorobenzene	12	12	U
Naphthalene	12	12	U
4-chloroaniline	24	24	U
Hexachlorobutadiene	12	12	U
4-Chloro-3-methylphenol	24	24	U
2-methylnaphthalene	12	12	U
Hexachlorocyclopentadiene	12	12	U
2,4,6-Trichlorophenol	12	12	U
2,4,5-Trichlorophenol	61	61	U
2-Chloronaphthalene	12	12	U
2-Nitroaniline	61	61	U
Dimethyl phthalate	12	12	U
Acenaphthylene	12	12	U
2,6-Dinitrotoluene	12	12	U
Acenaphthene	12	12	U
2,4-Dinitrophenol	61	61	U
4-Nitrophenol	61	61	U
2,4-Dinitrotoluene	12	12	U

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Client Information		Lab Information	
Client Sample ID:	SdA01GW00	Lab ID:	632105
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	16:30	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	12	12	U
Diethyl phthalate	12	12	U
3-nitroaniline	61	61	U
Fluorene	12	12	U
4-Chlorophenyl phenyl ether	12	12	U
4-Nitroaniline	61	61	U
4,6-Dinitro-2-methylphenol	61	61	U
n-Nitrosodiphenylamine	12	12	U
4-Bromophenyl phenyl ether	12	12	U
Hexachlorobenzene	12	12	U
Pentachlorophenol	61	61	U
Phenanthrene	12	12	U
Anthracene	12	12	U
Carbazole	12	12	U
Di-n-butyl phthalate	12	12	U
Fluoranthene	12	12	U
Pyrene	12	12	U
Benzyl butyl phthalate	12	12	U
Benzo(a)anthracene	12	12	U
3,3'-Dichlorobenzidine	24	24	U
Chrysene	12	12	U
bis(2-Ethylhexyl) phthalate	12	12	U
Di-n-octylphthalate	12	12	U
Benzo(b)fluoranthene	12	12	U
Benzo(k)fluoranthene	12	12	U
Benzo(a)pyrene	12	12	U
Indeno(1,2,3-c,d)pyrene	12	12	U
Dibenz(a,h)anthracene	12	12	U
Benzo(g,h,i)perylene	12	12	U

Surrogate	%Recovery	Range
2-Fluorophenol	48%	21 - 115
Phenol-d5	40%	5 - 115
Nitrobenzene-d5	78%	35 - 114
2-Fluorobiphenyl	74%	43 - 116
2,4,6-Tribromophenol	74%	5 - 123
Terphenyl-d14	95%	33 - 141

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Client Information		Lab Information	
Client Sample ID:	**CWC01GW00**	**Lab ID:**	**632106**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	15:15	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	8	8	U
bis(2-Chloroethyl) ether	8	8	U
2-Chlorophenol	8	8	U
1,3-Dichlorobenzene	8	8	U
1,4-Dichlorobenzene	8	8	U
Benzyl Alcohol	16	16	U
1,2-Dichlorobenzene	8	8	U
o-cresol	8	8	U
bis(2-chloroisopropyl) ether	8	8	U
m,p-cresol	8	8	U
n-Nitrosodi-n-propylamine	8	8	U
Hexachloroethane	8	8	U
Benzoic Acid	41	41	U
Nitrobenzene	8	8	U
Isophorone	8	8	U
2-Nitrophenol	8	8	U
2,4-Dimethylphenol	8	8	U
bis(2-Chloroethoxy) methane	8	8	U
2,4-Dichlorophenol	8	8	U
1,2,4-Trichlorobenzene	8	8	U
Naphthalene	8	8	U
4-chloroaniline	16	16	U
Hexachlorobutadiene	8	8	U
4-Chloro-3-methylphenol	16	16	U
2-methylnaphthalene	8	8	U
Hexachlorocyclopentadiene	8	8	U
2,4,6-Trichlorophenol	8	8	U
2,4,5-Trichlorophenol	41	41	U
2-Chloronaphthalene	8	8	U
2-Nitroaniline	41	41	U
Dimethyl phthalate	8	8	U
Acenaphthylene	8	8	U
2,6-Dinitrotoluene	8	8	U
Acenaphthene	8	8	U
2,4-Dinitrophenol	41	41	U
4-Nitrophenol	41	41	U
2,4-Dinitrotoluene	8	8	U

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Client Information		Lab Information	
Client Sample ID:	**CWC01GW00**	**Lab ID:**	**632106**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	15:15	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	8	8	U
Diethyl phthalate	8	8	U
3-nitroaniline	41	41	U
Fluorene	8	8	U
4-Chlorophenyl phenyl ether	8	8	U
4-Nitroaniline	41	41	U
4,6-Dinitro-2-methylphenol	41	41	U
n-Nitrosodiphenylamine	8	8	U
4-Bromophenyl phenyl ether	8	8	U
Hexachlorobenzene	8	8	U
Pentachlorophenol	41	41	U
Phenanthrene	8	8	U
Anthracene	8	8	U
Carbazole	8	8	U
Di-n-butyl phthalate	8	8	U
Fluoranthene	8	8	U
Pyrene	8	8	U
Benzyl butyl phthalate	8	8	U
Benzo(a)anthracene	8	8	U
3,3'-Dichlorobenzidine	16	16	U
Chrysene	8	8	U
bis(2-Ethylhexyl) phthalate	8	103	
Di-n-octylphthalate	8	8	U
Benzo(b)fluoranthene	8	8	U
Benzo(k)fluoranthene	8	8	U
Benzo(a)pyrene	8	8	U
Indeno(1,2,3-c,d)pyrene	8	8	U
Dibenz(a,h)anthracene	8	8	U
Benzo(g,h,i)perylene	8	8	U

Surrogate	%Recovery	Range
2-Fluorophenol	13%	21 - 115
Phenol-d5	20%	5 - 115
Nitrobenzene-d5	72%	35 - 114
2-Fluorobiphenyl	52%	43 - 116
2,4,6-Tribromophenol	21%	5 - 123
Terphenyl-d14	72%	33 - 141

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Client Information		Lab Information	
Client Sample ID:	**CWS01GW00**	**Lab ID:**	**632107**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	16:20	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	5	5	U
bis(2-Chloroethyl) ether	5	5	U
2-Chlorophenol	5	5	U
1,3-Dichlorobenzene	5	5	U
1,4-Dichlorobenzene	5	5	U
Benzyl Alcohol	10	10	U
1,2-Dichlorobenzene	5	5	U
o-cresol	5	5	U
bis(2-chloroisopropyl) ether	5	5	U
m,p-cresol	5	5	U
n-Nitrosodi-n-propylamine	5	5	U
Hexachloroethane	5	5	U
Benzoic Acid	24	24	U
Nitrobenzene	5	5	U
Isophorone	5	5	U
2-Nitrophenol	5	5	U
2,4-Dimethylphenol	5	5	U
bis(2-Chloroethoxy) methane	5	5	U
2,4-Dichlorophenol	5	5	U
1,2,4-Trichlorobenzene	5	5	U
Naphthalene	5	5	U
4-chloroaniline	10	10	U
Hexachlorobutadiene	5	5	U
4-Chloro-3-methylphenol	10	10	U
2-methylnaphthalene	5	5	U
Hexachlorocyclopentadiene	5	5	U
2,4,6-Trichlorophenol	5	5	U
2,4,5-Trichlorophenol	24	24	U
2-Chloronaphthalene	5	5	U
2-Nitroaniline	24	24	U
Dimethyl phthalate	5	5	U
Acenaphthylene	5	5	U
2,6-Dinitrotoluene	5	5	U
Acenaphthene	5	5	U
2,4-Dinitrophenol	24	24	U
4-Nitrophenol	24	24	U
2,4-Dinitrotoluene	5	5	U

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Client Information		Lab Information	
Client Sample ID:	**CWS01GW00**	**Lab ID:**	**632107**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	16:20	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	BG
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	5	5	U
Diethyl phthalate	5	5	U
3-nitroaniline	24	24	U
Fluorene	5	5	U
4-Chlorophenyl phenyl ether	5	5	U
4-Nitroaniline	24	24	U
4,6-Dinitro-2-methylphenol	24	24	U
n-Nitrosodiphenylamine	5	5	U
4-Bromophenyl phenyl ether	5	5	U
Hexachlorobenzene	5	5	U
Pentachlorophenol	24	24	U
Phenanthrene	5	5	U
Anthracene	5	5	U
Carbazole	5	5	U
Di-n-butyl phthalate	5	5	U
Fluoranthene	5	5	U
Pyrene	5	5	U
Benzyl butyl phthalate	5	5	U
Benzo(a)anthracene	5	5	U
3,3'-Dichlorobenzidine	10	10	U
Chrysene	5	5	U
bis(2-Ethylhexyl) phthalate	5	27	
Di-n-octylphthalate	5	5	U
Benzo(b)fluoranthene	5	5	U
Benzo(k)fluoranthene	5	5	U
Benzo(a)pyrene	5	5	U
Indeno(1,2,3-c,d)pyrene	5	5	U
Dibenz(a,h)anthracene	5	5	U
Benzo(g,h,i)perylene	5	5	U

Surrogate	%Recovery	Range
2-Fluorophenol	9%	21 - 115
Phenol-d5	12%	5 - 115
Nitrobenzene-d5	80%	35 - 114
2-Fluorobiphenyl	68%	43 - 116
2,4,6-Tribromophenol	18%	5 - 123
Terphenyl-d14	82%	33 - 141

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Client Information		Lab Information	
Client Sample ID:	**MNS01GW00**	**Lab ID:**	**632108**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	12:50	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	BC
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	17	17	U
bis(2-Chloroethyl) ether	17	17	U
2-Chlorophenol	17	17	U
1,3-Dichlorobenzene	17	17	U
1,4-Dichlorobenzene	17	17	U
Benzyl Alcohol	34	34	U
1,2-Dichlorobenzene	17	17	U
o-cresol	17	17	U
bis(2-chloroisopropyl) ether	17	17	U
m,p-cresol	17	17	U
n-Nitrosodi-n-propylamine	17	17	U
Hexachloroethane	17	17	U
Benzoic Acid	86	86	U
Nitrobenzene	17	17	U
Isophorone	17	17	U
2-Nitrophenol	17	17	U
2,4-Dimethylphenol	17	17	U
bis(2-Chloroethoxy) methane	17	17	U
2,4-Dichlorophenol	17	17	U
1,2,4-Trichlorobenzene	17	17	U
Naphthalene	17	17	U
4-chloroaniline	34	34	U
Hexachlorobutadiene	17	17	U
4-Chloro-3-methylphenol	34	34	U
2-methylnaphthalene	17	17	U
Hexachlorocyclopentadiene	17	17	U
2,4,6-Trichlorophenol	17	17	U
2,4,5-Trichlorophenol	86	86	U
2-Chloronaphthalene	17	17	U
2-Nitroaniline	86	86	U
Dimethyl phthalate	17	17	U
Acenaphthylene	17	17	U
2,6-Dinitrotoluene	17	17	U
Acenaphthene	17	17	U
2,4-Dinitrophenol	86	86	U
4-Nitrophenol	86	86	U
2,4-Dinitrotoluene	17	17	U

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Client Information		Lab Information	
Client Sample ID:	**MNS01GW00**	**Lab ID:**	**632108**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/18/01	Analysis Method:	SW846-8270C
Sampling Time:	12:50	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	BT
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	17	17	U
Diethyl phthalate	17	17	U
3-nitroaniline	86	86	U
Fluorene	17	17	U
4-Chlorophenyl phenyl ether	17	17	U
4-Nitroaniline	86	86	U
4,6-Dinitro-2-methylphenol	86	86	U
n-Nitrosodiphenylamine	17	17	U
4-Bromophenyl phenyl ether	17	17	U
Hexachlorobenzene	17	17	U
Pentachlorophenol	86	86	U
Phenanthrene	17	17	U
Anthracene	17	17	U
Carbazole	17	17	U
Di-n-butyl phthalate	17	17	U
Fluoranthene	17	17	U
Pyrene	17	17	U
Benzyl butyl phthalate	17	17	U
Benzo(a)anthracene	17	17	U
3,3'-Dichlorobenzidine	34	34	U
Chrysene	17	17	U
bis(2-Ethylhexyl) phthalate	17	17	U
Di-n-octylphthalate	17	17	U
Benzo(b)fluoranthene	17	17	U
Benzo(k)fluoranthene	17	17	U
Benzo(a)pyrene	17	17	U
Indeno(1,2,3-c,d)pyrene	17	17	U
Dibenz(a,h)anthracene	17	17	U
Benzo(g,h,i)perylene	17	17	U

Surrogate	%Recovery	Range
2-Fluorophenol	16%	21 - 115
Phenol-d5	31%	5 - 115
Nitrobenzene-d5	74%	35 - 114
2-Fluorobiphenyl	62%	43 - 116
2,4,6-Tribromophenol	21%	5 - 123
Terphenyl-d14	81%	33 - 141

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Client Information		Lab Information	
Client Sample ID:	**GNE01GW00**	**Lab ID:**	**632109**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/19/01	Analysis Method:	SW846-8270C
Sampling Time:	09:18	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	5	5	U
bis(2-Chloroethyl) ether	5	5	U
2-Chlorophenol	5	5	U
1,3-Dichlorobenzene	5	5	U
1,4-Dichlorobenzene	5	5	U
Benzyl Alcohol	10	10	U
1,2-Dichlorobenzene	5	5	U
o-cresol	5	5	U
bis(2-chloroisopropyl) ether	5	5	U
m,p-cresol	5	5	U
n-Nitrosodi-n-propylamine	5	5	U
Hexachloroethane	5	5	U
Benzoic Acid	24	24	U
Nitrobenzene	5	5	U
Isophorone	5	5	U
2-Nitrophenol	5	5	U
2,4-Dimethylphenol	5	5	U
bis(2-Chloroethoxy) methane	5	5	U
2,4-Dichlorophenol	5	5	U
1,2,4-Trichlorobenzene	5	5	U
Naphthalene	5	5	U
4-chloroaniline	10	10	U
Hexachlorobutadiene	5	5	U
4-Chloro-3-methylphenol	10	10	U
2-methylnaphthalene	5	5	U
Hexachlorocyclopentadiene	5	5	U
2,4,6-Trichlorophenol	5	5	U
2,4,5-Trichlorophenol	24	24	U
2-Chloronaphthalene	5	5	U
2-Nitroaniline	24	24	U
Dimethyl phthalate	5	5	U
Acenaphthylene	5	5	U
2,6-Dinitrotoluene	5	5	U
Acenaphthene	5	5	U
2,4-Dinitrophenol	24	24	U
4-Nitrophenol	24	24	U
2,4-Dinitrotoluene	5	5	U

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Client Information		Lab Information	
Client Sample ID:	GNE01GW00	Lab ID:	632109
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/19/01	Analysis Method:	SW846-8270C
Sampling Time:	09:18	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	5	5	U
Diethyl phthalate	5	5	U
3-nitroaniline	24	24	U
Fluorene	5	5	U
4-Chlorophenyl phenyl ether	5	5	U
4-Nitroaniline	24	24	U
4,6-Dinitro-2-methylphenol	24	24	U
n-Nitrosodiphenylamine	5	5	U
4-Bromophenyl phenyl ether	5	5	U
Hexachlorobenzene	5	5	U
Pentachlorophenol	24	24	U
Phenanthrene	5	5	U
Anthracene	5	5	U
Carbazole	5	5	U
Di-n-butyl phthalate	5	5	U
Fluoranthene	5	5	U
Pyrene	5	5	U
Benzyl butyl phthalate	5	5	U
Benzo(a)anthracene	5	5	U
3,3'-Dichlorobenzidine	10	10	U
Chrysene	5	5	U
bis(2-Ethylhexyl) phthalate	5	5	
Di-n-octylphthalate	5	5	U
Benzo(b)fluoranthene	5	5	U
Benzo(k)fluoranthene	5	5	U
Benzo(a)pyrene	5	5	U
Indeno(1,2,3-c,d)pyrene	5	5	U
Dibenz(a,h)anthracene	5	5	U
Benzo(g,h,i)perylene	5	5	U

Surrogate	%Recovery	Range
2-Fluorophenol	41%	21 - 115
Phenol-d5	30%	5 - 115
Nitrobenzene-d5	82%	35 - 114
2-Fluorobiphenyl	70%	43 - 116
2,4,6-Tribromophenol	86%	5 - 123
Terphenyl-d14	85%	33 - 141

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Client Information		Lab Information	
Client Sample ID:	**GNE01GW00**	**Lab ID:**	**632109**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/19/01	Analysis Method:	SW846-8270C
Sampling Time:	09:18	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	12	12	U
bis(2-Chloroethyl) ether	12	12	U
2-Chlorophenol	12	12	U
1,3-Dichlorobenzene	12	12	U
1,4-Dichlorobenzene	12	12	U
Benzyl Alcohol	23	23	U
1,2-Dichlorobenzene	12	12	U
o-cresol	12	12	U
bis(2-chloroisopropyl) ether	12	12	U
m,p-cresol	12	12	U
n-Nitrosodi-n-propylamine	12	12	U
Hexachloroethane	12	12	U
Benzoic Acid	58	58	U
Nitrobenzene	12	12	U
Isophorone	12	12	U
2-Nitrophenol	12	12	U
2,4-Dimethylphenol	12	12	U
bis(2-Chloroethoxy) methane	12	12	U
2,4-Dichlorophenol	12	12	U
1,2,4-Trichlorobenzene	12	12	U
Naphthalene	12	12	U
4-chloroaniline	23	23	U
Hexachlorobutadiene	12	12	U
4-Chloro-3-methylphenol	23	23	U
2-methylnaphthalene	12	12	U
Hexachlorocyclopentadiene	12	12	U
2,4,6-Trichlorophenol	12	12	U
2,4,5-Trichlorophenol	58	58	U
2-Chloronaphthalene	12	12	U
2-Nitroaniline	58	58	U
Dimethyl phthalate	12	12	U
Acenaphthylene	12	12	U
2,6-Dinitrotoluene	12	12	U
Acenaphthene	12	12	U
2,4-Dinitrophenol	58	58	U
4-Nitrophenol	58	58	U
2,4-Dinitrotoluene	12	12	U

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Client Information		Lab Information	
Client Sample ID:	**GNE01GW00**	**Lab ID:**	**632109**
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/19/01	Analysis Method:	SW846-8270C
Sampling Time:	09:18	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	BG
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	12	12	U
Diethyl phthalate	12	12	U
3-nitroaniline	58	58	U
Fluorene	12	12	U
4-Chlorophenyl phenyl ether	12	12	U
4-Nitroaniline	58	58	U
4,6-Dinitro-2-methylphenol	58	58	U
n-Nitrosodiphenylamine	12	12	U
4-Bromophenyl phenyl ether	12	12	U
Hexachlorobenzene	12	12	U
Pentachlorophenol	58	58	U
Phenanthrene	12	12	U
Anthracene	12	12	U
Carbazole	12	12	U
Di-n-butyl phthalate	12	12	U
Fluoranthene	12	12	U
Pyrene	12	12	U
Benzyl butyl phthalate	12	12	U
Benzo(a)anthracene	12	12	U
3,3'-Dichlorobenzidine	23	23	U
Chrysene	12	12	U
bis(2-Ethylhexyl) phthalate	12	12	U
Di-n-octylphthalate	12	12	U
Benzo(b)fluoranthene	12	12	U
Benzo(k)fluoranthene	12	12	U
Benzo(a)pyrene	12	12	U
Indeno(1,2,3-c,d)pyrene	12	12	U
Dibenz(a,h)anthracene	12	12	U
Benzo(g,h,i)perylene	12	12	U

Surrogate	%Recovery	Range
2-Fluorophenol	44%	21 - 115
Phenol-d5	36%	5 - 115
Nitrobenzene-d5	66%	35 - 114
2-Fluorobiphenyl	63%	43 - 116
2,4,6-Tribromophenol	64%	5 - 123
Terphenyl-d14	82%	33 - 141

CH2M HILL
Applied Sciences Group

2300 NW Walnut Blvd., Corvallis, OR 97330-3538
P.O. Box 428, Corvallis, OR 97339-0428
Tel 541.752.4271 Fax 541.752.0276

CH2M Hill Applied Sciences Laboratory

Client Information		Lab Information	
Client Sample ID:	METHOD BLANK	Lab ID:	WB1-1022
Project Name:	Linnton Plywood	Date Rec'd:	NA
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	NA	Dilution Factor:	1
Sampling Date:	NA	Analysis Method:	SW846-8270C
Sampling Time:	NA	Report Revision No.:	0
Type:	QC	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	5	5	U
bis(2-Chloroethyl) ether	5	5	U
2-Chlorophenol	5	5	U
1,3-Dichlorobenzene	5	5	U
1,4-Dichlorobenzene	5	5	U
Benzyl Alcohol	10	10	U
1,2-Dichlorobenzene	5	5	U
o-cresol	5	5	U
bis(2-chloroisopropyl) ether	5	5	U
m,p-cresol	5	5	U
n-Nitrosodi-n-propylamine	5	5	U
Hexachloroethane	5	5	U
Benzoic Acid	25	25	U
Nitrobenzene	5	5	U
Isophorone	5	5	U
2-Nitrophenol	5	5	U
2,4-Dimethylphenol	5	5	U
bis(2-Chloroethoxy) methane	5	5	U
2,4-Dichlorophenol	5	5	U
1,2,4-Trichlorobenzene	5	5	U
Naphthalene	5	5	U
4-chloroaniline	10	10	U
Hexachlorobutadiene	5	5	U
4-Chloro-3-methylphenol	10	10	U
2-methylnaphthalene	5	5	U
Hexachlorocyclopentadiene	5	5	U
2,4,6-Trichlorophenol	5	5	U
2,4,5-Trichlorophenol	25	25	U
2-Chloronaphthalene	5	5	U
2-Nitroaniline	25	25	U
Dimethyl phthalate	5	5	U
Acenaphthylene	5	5	U
2,6-Dinitrotoluene	5	5	U
Acenaphthene	5	5	U
2,4-Dinitrophenol	25	25	U
4-Nitrophenol	25	25	U
2,4-Dinitrotoluene	5	5	U

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CH2M Hill Applied Sciences Laboratory

Client Information		Lab Information	
Client Sample ID:	METHOD BLANK	Lab ID:	WB1-1022
Project Name:	Linnton Plywood	Date Rec'd:	NA
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/9/01
Sampled By:	NA	Dilution Factor:	1
Sampling Date:	NA	Analysis Method:	SW846-8270C
Sampling Time:	NA	Report Revision No.:	0
Type:	QC	Reported By:	MWP
Matrix:	Water	Reviewed By:	
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	5	5	U
Diethyl phthalate	5	5	U
3-nitroaniline	25	25	U
Fluorene	5	5	U
4-Chlorophenyl phenyl ether	5	5	U
4-Nitroaniline	25	25	U
4,6-Dinitro-2-methylphenol	25	25	U
n-Nitrosodiphenylamine	5	5	U
4-Bromophenyl phenyl ether	5	5	U
Hexachlorobenzene	5	5	U
Pentachlorophenol	25	25	U
Phenanthrene	5	5	U
Anthracene	5	5	U
Carbazole	5	5	U
Di-n-butyl phthalate	5	5	U
Fluoranthene	5	5	U
Pyrene	5	5	U
Benzyl butyl phthalate	5	5	U
Benzo(a)anthracene	5	5	U
3,3'-Dichlorobenzidine	10	10	U
Chrysene	5	5	U
bis(2-Ethylhexyl) phthalate	5	5	U
Di-n-octylphthalate	5	5	U
Benzo(b)fluoranthene	5	5	U
Benzo(k)fluoranthene	5	5	U
Benzo(a)pyrene	5	5	U
Indeno(1,2,3-c,d)pyrene	5	5	U
Dibenz(a,h)anthracene	5	5	U
Benzo(g,h,i)perylene	5	5	U

Surrogate	%Recovery	Range
2-Fluorophenol	28%	21 - 115
Phenol-d5	20%	5 - 115
Nitrobenzene-d5	90%	35 - 114
2-Fluorobiphenyl	49%	43 - 116
2,4,6-Tribromophenol	44%	5 - 123
Terphenyl-d14	92%	33 - 141

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CH2MHILL Applied Sciences Lab
CHAIN OF CUSTODY RECORD
AND AGREEMENT TO PERFORM SERVICES

CVO 2300 NW Walnut Boulevard
Corvallis, OR 97330-3538
(541) 752-4271 FAX (541) 752-0276

COC # _____

Project #	167592.SA.01
Purchase Order #	
Project Name	Linnton Plywood
Company Name	CH2M HILL
Report to:	Natalie Young Pong
Phone No:	503-235-5072 ext 4241
Requested Completion Date:	
Sample Disposal:	Dispose ☐ Return ☐

THIS AREA FOR LAB USE ONLY

Lab #	Page	of
6321	1	2

EPA Tier QC Level: 1 (Screening) 2 3 4

Requested Analytical Method #

Sampling Date	Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	Matrix AIR	Matrix Other	CLIENT SAMPLE ID (8 CHARACTERS)	LAB QC	TOTAL # OF CONTAINERS	Semivolatiles 8270	VOCs 8260	~~[illegible]~~	Metals, Cadmium, Chr. PD EPA 6010	TPH SW 8015M	TPHg (3VOA)	Copper			Alternate Description	Lab ID
10-18	11:15			X				AURØ1GWØØ		2		X				X					-1
10-18	12:00			X				STCØ1GWØØ		10	2X	X3		X	1X	X3					-2
10-18	←			X				GNEØ1GWØØ		0	—	—	—	—	—	—	—				
10-18	9:10			X				BrHØ1GWØØ		3		X2				X1					-3
10-18	6:40pm			X				WgBØ1GWØØ	KM 4	2	X1	—		X	X1	X2	X				-4
10-18	4:30			X				SdAØ1GWØØ		7	X2	X2		X	X1	X1					-5
10-18	3:15			X				CWCØ1GWØØ		2	X										-6
10-18	4:20			X				CWSØ1GWØØ		2	X										-7
10-18	12:50			X				MNSØ1GWØØ		8	X1	X3		X	KM ~~X~~	X3	X				-8

Relinquished By: N Young Pong N. YOUNG-PONG	Date/Time: 10-19 4pm	Received By:	Date/Time:
Sampled By and Title: N Young Pong (Please sign and print name) N. YOUNG-PONG	Date/Time: 10-19 4pm	Relinquished By: (Please sign and print name)	Date/Time:
Received By: Kathy McKenley (Please sign and print name)	Date/Time: 10/19/01 815	Relinquished By: (Please sign and print name)	Date/Time:
Received By: (Please sign and print name)	Date/Time:	Shipped Via: UPS Fed-Ex Other _____	Shipping #:

Special Instructions: Sample times not on bottle, differ also ~~for~~ because of long sample collection time

X Added 10/23 per Natalie if enough sample 10/23/01 KM

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: Original - LAB, Yellow - LAB, Pink - Client
Rev 2/01 Lab form 340

CH2MHILL Applied Sciences Lab
CHAIN OF CUSTODY RECORD
AND AGREEMENT TO PERFORM SERVICES

CVO 2300 NW Walnut Boulevard
Corvallis, OR 97330-3538
(541) 752-4271 FAX (541) 752-0276

COC # _____

Project # 167592.SA.01
Purchase Order #
Project Name: Linnton Plywood
Company Name: CH2M Hill
Report to: N Young Pong
Phone No:
Requested Completion Date:
Sample Disposal: Dispose ☐ Return ☐

THIS AREA FOR LAB USE ONLY: Lab # 6321 Page 2 of 2

EPA Tier QC Level: 1 (Screening) 2 3 4

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	Matrix AIR	Matrix Other	CLIENT SAMPLE ID (8 CHARACTERS)	LAB QC	TOTAL # OF CONTAINERS	Semi Volatiles 8270	VOCs 8260	Metals Cd, Cr, Pb EPA 6010	TPH SW 8015M	TPH g 3v005	Copper	Alternate Description	Lab ID
10-19	8:25			X				WGBØ1GWØØ		1	X			X[2,4]			No sample	
10-19	9:18			X				GNEØ1GWØØ		10	X[2]	X[3]	X	X[1]	X[3]			-9
10-19	10:13			X				BrH Ø1GWØØ		3	X[2]			X[1]				-10
10-19																		
10-19																		
10-17					X			wigwam burner soil		2								-11

Relinquished By	Date/Time	Received By	Date/Time
N Young Pong. N. YOUNG-PONG (Please sign and print name)	10-19 4pm		
Sampled By and Title: N Young Pong N. YOUNG-PONG (Please sign and print name)	10-19 4pm	Relinquished By (Please sign and print name)	Date/Time
Received By: Kathy McKenley (Please sign and print name)	10/22/01 8:15	Relinquished By (Please sign and print name)	Date/Time
Received By (Please sign and print name)	Date/Time	Shipped Via: UPS Fed-Ex Other _____	Shipping #

Special Instructions: Extra soil in ziplock, please keep for possible future sampling, sample times on COC are correct.

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: Original - LAB, Yellow - LAB, Pink - Client

Rev. 2/01

CH2MHILL
Applied Sciences Group

Sample Receipt Record

Batch Number: 6321

Date/Time Received: 10/22/01 815

Client/Project: Linton Plywood

Temperature: 3.6, 5.2, 3.2

VERIFICATION OF SAMPLE CONDITIONS (verify all items) * HD = Client Hand delivered Samples

Observation	YES	NO	*HD
Were custody seals intact and on the outside of the cooler?	X		
Was the Chain of Custody inside the cooler?	X		
Was the Chain of Custody properly filled out?	X		
Were the sample containers in good condition?	X		
Was there ice in the cooler?	X		

If the answer to any of the questions above is NO, a Sample Receipt Exceptions Report Must be written.

VERIFICATION OF SAMPLE PRESERVATION (verify all preserved samples except HAAs, HANs and CH)

Sample No	Nutrients pH <2	Metals pH <2	Volatiles pH <2	Cyanides pH >12	TOC pH <2	Other (specify)	Other (specify)	N/A (soils/unpres)
1								
2		<2						
3								
4								
5		<2						
6								
7								
8		<2						
9		<2						
10								
11								
12								
13								
14								
15								
16	pH not tested on VOA vials - limited sample volume.							
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

LOGIN AND pH VERIFICATIONS PERFORMED BY

KMCCarley 10/22/01 815

Date/Time

Date/Time

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Sample Receipt Exception Report

Sample Batch Number: 0321 **Client/Project** Linton Plywood

The following exceptions were noted:		Comments (write number of exception description and the impacted sample numbers)
	1. No custody seal as required by project	
	2. No chain-of-custody provided	
	3. Analysis, description, date of collection not provided	
	4. Samples broken or leaking on reciept.	7) Limited sample volume as discussed on phone - reporting limits may be increased because of limited volume and large volume of silt in sample.
	5. Temperature of samples inappropriate for analysis requested	
	6. Container inappropriate for analysis requested	
X	7. Inadequate sample volume.	
	8. Preservation inappropriate for analysis requested	
	9. Samples received out of holding time for analysis requrested	11) 2 soil bags of wigwam burner soil provided and no analysis selected on COC as stated on COC.
	10. Discrepancies between COC form and container labels.	
X	11. Other.	

ACTION TAKEN:

Originator: Kathy McKenley Date: 10/22/01 830

Client was notified on: (Date/Time) Client Contact:

Client Services:

CH2M HILL
Applied Sciences Laboratory

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P.O. Box 428, Corvallis, OR 97339-0428

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Fax 541.752.0276

ANALYSIS CHANGE ORDER

Requested By: Natalie Yang Pong Date Requested: 10/23/01

Approved By: Kathy McKinley Date Approved: 10/23/01

Affected Batch/Samples: 6321

Client/Project: Linnton Plywood

Description of Problem: 1) If 6321-4 (WGB) has some sample left from amber bottles please transfer and run copper, cadmium, chromium and lead.
2) If possible (sample) run TPH-D on 6321-8 (MWS)

Corrective Action Taken: Judy, Mike, Daisy - Please talk this AM and inform us if enough sample.

LIMS USE ONLY

Entered into LIMS (Name, date) Dayna Kaummans 10/23/01

Verified/Reviewed: KMcKinley 10/24/01

Comment:

DISTRIBUTION

X	LIMS	Dayna Kaummans			
O	QA-Coordinator	Ginger Collins			
O	Data Packaging	K. Ensor			
O	Client Services	K. McKinley			
O	Inorganics	M. Bos	Y. Li	L. Tepper	
X	Cations	J. Greydanus	Y. Li		
X	Organics	G. Collins	M. Bos	D. Hardy	M.Schaadt Daisy
O	Air Toxics	B. Thompson	G. Collins	R. Wong	
O	Organics/MS	B. Thompson	M. Bos	D. Hardy	
O	Treatability	T. Maloney	D. Hardy		
X	INCLUDE IN FINAL REPORT				

CH2M HILL
Applied Sciences Group
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Corvallis, OR
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CH2MHILL
Applied Sciences Group

November 26, 2001

Linnton Plywood

167592.SA.01

RE: Laboratory Report for Linnton Plywood
Applied Sciences Group Reference No. 6305

Natalie Young Pong/PDX:

On October 17, 2001, CH2M HILL Applied Sciences Group received 12 samples with a request for analysis of selected parameters. All analyses were performed by CH2M HILL unless otherwise indicated below.

The analytical results and associated quality control data are enclosed. Any unusual difficulties encountered during the analysis of your samples are discussed in the case narrative.

This report does not meet NELAC requirements for the following reasons:

- NELAC has not provided our lab with accreditation for the following tests: SW8015-P, 608/8081.

CH2M HILL Applied Sciences Group appreciates your business and looks forward to serving your analytical needs again. If you should have any questions concerning the data, or if you need additional information, please call Ms. Kathy McKinley at (541) 758-0235, extension 3120.

Sincerely,

Ben Thompson
Laboratory Representative

Enclosures

ACCREDITED IN ACCORDANCE WITH nelac
OR100022

CLIENT SAMPLE CROSS-REFERENCE

CH2M HILL Applied Sciences Group Reference No. 6305

Sample ID	Client Sample ID	Date Collected	Time Collected
630501	OFX-01-sed-00	10/16/2001	12:00
630502	OF6-01-sed-00	10/16/2001	13:00
630503	AUR-01-sur-00	10/16/2001	13:45
630504	STC-01-sur-00	10/16/2001	14:30
630505	05W-01-sur-00	10/16/2001	15:00
630506	05E-01-sur-00	10/16/2001	15:20
630507	05W-02-sub-02	10/16/2001	15:30
630508	05E-02-sub-02	10/16/2001	15:45
630509	MNS-01-sur-00	10/16/2001	16:15
630510	03A-01-sed-00	10/16/2001	16:35
630511	OF3-01-sed-00	10/16/2001	17:00
630512	OF2-01-sed-00	10/16/2001	17:20

CASE NARRATIVE
SEMI-VOLATILES

Lab Reference No.: 6305

Client/Project: Linnton Plywood

I. Holding Times:
All acceptance criteria were met.

II. Analysis:

A. Calibration:
All acceptance criteria were met.

B. Duplicate Sample(s):
All acceptance criteria were met.

C. Spike Sample(s):
All acceptance criteria were met.

D. Surrogate Recoveries:
All acceptance criteria were met.

E. Lab Control Sample(s):
All acceptance criteria were met.

F. Other:
None

III. Documentation Exceptions:
None

IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by: _____

Reviewed by: _____

CASE NARRATIVE
VOLATILES

Lab Reference No.: 6305

Client/Project: Linnton Plywood

I. Holding Times:
All acceptance criteria were met.

II. Analysis:

A. Calibration:
All acceptance criteria were met.

B. Duplicate Sample(s):
All acceptance criteria were met.

C. Spike Sample(s):
Matrix spike duplicate recovery of hexachlorobutadiene (61%) did not meet acceptance criteria (65-125%) due to matrix intereference.

D. Surrogate Recoveries:
The surrogates toluene-d8 and 4-bromofluorobenzene failed to meet acceptance criteria in some of the samples. These failures are attributed to the loamy, adsorbant nature of the soils. Samples were reanalyzed for verification purposes.

E. Lab Control Sample(s):
All acceptance criteria were met.

F. Internal Standards:
The internal standards chlorobenzene-d5 and 1,4-dichlorobenzene-d4 failed to meet acceptance criteria in several of the samples. These failures are attributed to the loamy, adsorbant nature of the soils. Samples were reanalyzed for verification purposes.

G. Other:
None

III. Documentation Exceptions:
None

IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by: _____

Reviewed by: _____

CASE NARRATIVE
METALS

Lab Reference No.: 6305

Client/Project: Linnton Plywood

I. Holding Time:
All acceptance criteria were met.

II. Digestion Exceptions:
None.

III. Analysis:

A. Calibration:
All acceptance criteria were met.

B. ICP Interference Check Sample:
All acceptance criteria were met.

C. Spike Sample(s):
All acceptance criteria were met.

D. Duplicate Sample(s):
All acceptance criteria were met.

E. Laboratory Control Sample(s):
All acceptance criteria were met.

F. ICP Serial Dilution:
Not Required.

G. Other:
None

IV. Documentation Exceptions:
None

V. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Prepared by: Judy [signature]

Reviewed by: Douglas A. Hardy

CASE NARRATIVE
SEMI-VOLATILES

Lab Reference No.: 6305

Client/Project: Linnton Plywood

I. Holding Times:
All acceptance criteria were met.

II. Analysis:

A. Calibration:
All acceptance criteria were met.

B. Duplicate Sample(s):
All acceptance criteria were met.

C. Spike Sample(s):
All acceptance criteria were met.

D. Surrogate Recoveries:
Surrogate recovery for 2,4,6-tribromophenol was below limits for samples 03A-01-sed-00, OF3-01-sed-00, and OF2-01-sed-00. Surrogate recovery for nitrobenzene-d5 was below limits for sample OF2-01-sed-00.

E. Lab Control Sample(s):
All acceptance criteria were met.

F. Other:
The samples had a high amount of organic material in them, which only allowed a final extract volume of 5 mls instead of 1 ml. This increased reporting limits by a factor of 5.

III. Documentation Exceptions:
None

IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by: _____

Reviewed by: _____

CASE NARRATIVE
PCBs

Lab Reference No.: 6305

Client/Project: Linnton Plywood

I. Holding Times:
All acceptance criteria were met.

II. Analysis:

A. Calibration:
All acceptance criteria were met.

B. Duplicate Sample(s):
All acceptance criteria were met.

C. Spike Sample(s):
All acceptance criteria were met.

D. Surrogate Recoveries:
Decachlorobiphenyl recoveries in samples OF6-01-sed-00 (155%), 05W-01-sur-00 (14%), and 05E-01-sur-00 (0%) did not meet acceptance criteria. Tetrachloro-m-xylene recovery (32%) in SB1-1025 did not meet acceptance criteria.

E. Lab Control Sample(s):
Aroclor 1016 recoveries in blank spike (19%) and blank spike duplicate (36%) did not meet acceptance criteria. Aroclor 1260 recovery in blank spike (24%) did not meet acceptance criteria.

F. Other:
Samples required sulfuric acid clean-up due to difficulties with the matrix.

III. Documentation Exceptions:
None

IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by: Douglas A. Handy

Reviewed by: Mark Schmidt

CH2M HILL Applied Sciences Laboratory

Client Information	Lab Information
Client Sample ID: OFX-01-sed-00	**Lab Sample ID: 630501**
Project Name: Linnton Plywood	Date Received: 10/17/2001
Project Manager: Paul LaFrance/PDX	Report Revision No.: 0
Sampled By: Peter Pellegrin	Analyzed By: DAH
Date Collected: 10/16/2001	Reviewed By: MK
Time Collected: 12:00	
Type: Grab	
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
PCBs as Aroclors							
Aroclor 1016	12674-11-2	7.5	7.5	U	µg/kg	SW 8082	11/01/01
Aroclor 1221	11104-28-2	7.5	7.5	U	µg/kg	SW 8082	11/01/01
Aroclor 1232	11141-16-5	7.5	7.5	U	µg/kg	SW 8082	11/01/01
Aroclor 1242	53469-21-9	7.5	7.5	U	µg/kg	SW 8082	11/01/01
Aroclor 1248	12672-29-6	7.5	7.5	U	µg/kg	SW 8082	11/01/01
Aroclor 1254	11097-69-1	7.5	16.7		µg/kg	SW 8082	11/01/01
Aroclor 1260	11096-82-5	7.5	7.5	U	µg/kg	SW 8082	11/01/01
Tetrachloro-m-xylene	877-09-8		107%	SS			
Decachlorobiphenyl	2051-24-3		103%	SS			

U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information	Lab Information
Client Sample ID: OF6-01-sed-00	**Lab Sample ID: 630502**
Project Name: Linnton Plywood	Date Received: 10/17/2001
Project Manager: Paul LaFrance/PDX	Report Revision No.: 0
Sampled By: Peter Pellegrin	Analyzed By: DAH
Date Collected: 10/16/2001	Reviewed By: MW
Time Collected: 13:00	
Type: Grab	
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
PCBs as Aroclors							
Aroclor 1016	12674-11-2	6.1	6.1	U	µg/kg	SW 8082	11/01/01
Aroclor 1221	11104-28-2	6.1	6.1	U	µg/kg	SW 8082	11/01/01
Aroclor 1232	11141-16-5	6.1	6.1	U	µg/kg	SW 8082	11/01/01
Aroclor 1242	53469-21-9	6.1	6.1	U	µg/kg	SW 8082	11/01/01
Aroclor 1248	12672-29-6	6.1	6.1	U	µg/kg	SW 8082	11/01/01
Aroclor 1254	11097-69-1	6.1	6.1	U	µg/kg	SW 8082	11/01/01
Aroclor 1260	11096-82-5	6.1	6.1	U	µg/kg	SW 8082	11/01/01
Tetrachloro-m-xylene	877-09-8		104%	SS			
Decachlorobiphenyl	2051-24-3		155%	SS			

U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information	Lab Information
Client Sample ID: 05W-01-sur-00	**Lab Sample ID: 630505**
Project Name: Linnton Plywood	Date Received: 10/17/2001
Project Manager: Paul LaFrance/PDX	Report Revision No.: 0
Sampled By: Peter Pellegrin	Analyzed By: DAH
Date Collected: 10/16/2001	Reviewed By: MKO
Time Collected: 15:00	
Type: Grab	
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
PCBs as Aroclors							
Aroclor 1016	12674-11-2	6.4	6.4	U	µg/kg	SW 8082	11/20/01
Aroclor 1221	11104-28-2	6.4	6.4	U	µg/kg	SW 8082	11/20/01
Aroclor 1232	11141-16-5	6.4	6.4	U	µg/kg	SW 8082	11/20/01
Aroclor 1242	53469-21-9	6.4	6.4	U	µg/kg	SW 8082	11/20/01
Aroclor 1248	12672-29-6	6.4	6.4	U	µg/kg	SW 8082	11/20/01
Aroclor 1254	11097-69-1	6.4	6.4	U	µg/kg	SW 8082	11/20/01
Aroclor 1260	11096-82-5	6.4	6.4	U	µg/kg	SW 8082	11/20/01
Tetrachloro-m-xylene	877-09-8		48%	SS			
Decachlorobiphenyl	2051-24-3		14%	SS			

U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information	Lab Information
Client Sample ID: 05E-01-sur-00	**Lab Sample ID: 630506**
Project Name: Linnton Plywood	Date Received: 10/17/2001
Project Manager: Paul LaFrance/PDX	Report Revision No.: 0
Sampled By: Peter Pellegrin	Analyzed By: DAH
Date Collected: 10/16/2001	Reviewed By: MKS
Time Collected: 15:20	
Type: Grab	
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
PCBs as Aroclors							
Aroclor 1016	12674-11-2	8.6	8.6	U	µg/kg	SW 8082	11/20/01
Aroclor 1221	11104-28-2	8.6	8.6	U	µg/kg	SW 8082	11/20/01
Aroclor 1232	11141-16-5	8.6	8.6	U	µg/kg	SW 8082	11/20/01
Aroclor 1242	53469-21-9	8.6	8.6	U	µg/kg	SW 8082	11/20/01
Aroclor 1248	12672-29-6	8.6	8.6	U	µg/kg	SW 8082	11/20/01
Aroclor 1254	11097-69-1	8.6	8.6	U	µg/kg	SW 8082	11/20/01
Aroclor 1260	11096-82-5	8.6	8.6	U	µg/kg	SW 8082	11/20/01
Tetrachloro-m-xylene	877-09-8		91%	SS			
Decachlorobiphenyl	2051-24-3		0%	SS			

U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information	Lab Information
Client Sample ID: 03A-01-sed-00	**Lab Sample ID: 630510**
Project Name: Linnton Plywood	Date Received: 10/17/2001
Project Manager: Paul LaFrance/PDX	Report Revision No.: 0
Sampled By: Peter Pellegrin	Analyzed By: DAH
Date Collected: 10/16/2001	Reviewed By: MKS
Time Collected: 16:35	
Type: Grab	
Matrix: Soil-Sediment	
Basis: Dry Weight	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
PCBs as Aroclors							
Aroclor 1016	12674-11-2	7.4	7.4	U	µg/kg	SW 8082	11/01/01
Aroclor 1221	11104-28-2	7.4	7.4	U	µg/kg	SW 8082	11/01/01
Aroclor 1232	11141-16-5	7.4	7.4	U	µg/kg	SW 8082	11/01/01
Aroclor 1242	53469-21-9	7.4	7.4	U	µg/kg	SW 8082	11/01/01
Aroclor 1248	12672-29-6	7.4	7.4	U	µg/kg	SW 8082	11/01/01
Aroclor 1254	11097-69-1	7.4	9.9		µg/kg	SW 8082	11/01/01
Aroclor 1260	11096-82-5	7.4	7.4	U	µg/kg	SW 8082	11/01/01
Tetrachloro-m-xylene	877-09-8		86%	SS			
Decachlorobiphenyl	2051-24-3		106%	SS			

U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**OF3-01-sed-00**	**Lab Sample ID:**	**630511**
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Analyzed By:	DAH
Date Collected:	10/16/2001	Reviewed By:	MES
Time Collected:	17:00		
Type:	Grab		
Matrix:	Soil-Sediment		
Basis:	Dry Weight		

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
PCBs as Aroclors							
Aroclor 1016	12674-11-2	8.2	8.2	U	µg/kg	SW 8082	11/01/01
Aroclor 1221	11104-28-2	8.2	8.2	U	µg/kg	SW 8082	11/01/01
Aroclor 1232	11141-16-5	8.2	8.2	U	µg/kg	SW 8082	11/01/01
Aroclor 1242	53469-21-9	8.2	8.2	U	µg/kg	SW 8082	11/01/01
Aroclor 1248	12672-29-6	8.2	8.2	U	µg/kg	SW 8082	11/01/01
Aroclor 1254	11097-69-1	8.2	19.2		µg/kg	SW 8082	11/01/01
Aroclor 1260	11096-82-5	8.2	8.2	U	µg/kg	SW 8082	11/01/01
Tetrachloro-m-xylene	877-09-8		99%	SS			
Decachlorobiphenyl	2051-24-3		88%	SS			

U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**Blank**	**Lab Sample ID:**	**SB1-1025**
Project Name:	Linnton Plywood	Date Received:	N/A
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	N/A	Analyzed By:	DAH
Date Collected:	N/A	Reviewed By:	MYO
Time Collected:	N/A		
Type:	QC		
Matrix:	Soil-Sediment		
Basis:	Dry Weight		

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
PCBs as Aroclors							
Aroclor 1016	12674-11-2	5.0	5.0	U	µg/kg	SW 8082	11/19/01
Aroclor 1221	11104-28-2	5.0	5.0	U	µg/kg	SW 8082	11/19/01
Aroclor 1232	11141-16-5	5.0	5.0	U	µg/kg	SW 8082	11/19/01
Aroclor 1242	53469-21-9	5.0	5.0	U	µg/kg	SW 8082	11/19/01
Aroclor 1248	12672-29-6	5.0	5.0	U	µg/kg	SW 8082	11/19/01
Aroclor 1254	11097-69-1	5.0	5.0	U	µg/kg	SW 8082	11/19/01
Aroclor 1260	11096-82-5	5.0	5.0	U	µg/kg	SW 8082	11/19/01
Tetrachloro-m-xylene	877-09-8		32%	SS			
Decachlorobiphenyl	2051-24-3		35%	SS			

U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Project Name:	Linnton Plywood	**Lab Batch ID:**	**6305**
Project Manager:	Paul LaFrance/PDX		
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Sampling Date:	10/16/2001	Analysis Method:	SW 8015-E
Sampling Time:	See Cross reference	Report Revision No.:	0
Type:	Grab	Analyzed By:	BM
Matrix:	Soil	Reviewed By:	[illegible]
Basis:	As Received	Units:	mg/Kg

Client ID	Lab ID	Diesel Range Organics C12-C24 MRL	Diesel Range Organics C12-C24 Result	Qualifier	Date Analyzed
Blank	SB1-1022	2.0	2.0	U	10/26/2001
OFX-01-sed-00	630501	3.0	84.9		10/26/2001
OF6-01-sed-00	630502	2.3	108		10/26/2001
AUR-01-sur-00	630503	2.6	43.7		10/26/2001
STC-01-sur-00	630504	2.2	48.2		10/26/2001
05W-01-sur-00	630505	12.7	1430		11/01/2001
05E-01-sur-00	630506	16.5	1820		11/01/2001
05W-02-sub-02	630507	11.7	1270		11/01/2001
05E-02-sub-02	630508	17.3	1620		11/01/2001
MNS-01-sur-00	630509	16.7	938		11/01/2001
03A-01-sed-00	630510	3.1	262		10/26/2001
OF3-01-sed-00	630511	3.2	104		10/26/2001
OF2-01-sed-00	630512	2.8	65.7		10/26/2001

U=Not detected at specified reporting limit

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Client Information		Lab Information	
Project Name:	Linnton Plywood	**Lab Batch ID:**	**6305**
Project Manager:	Paul LaFrance/PDX		
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Sampling Date:	10/16/2001	Analysis Method:	SW 8015-E
Sampling Time:	See Cross reference	Report Revision No.:	0
Type:	Grab	Analyzed By:	BM
Matrix:	Soil	Reviewed By:	
Basis:	As Received	Units:	% Recovery

Client ID	Lab ID	Surrogate Spike o-Terphenyl % Recovery	Range % Recovery
Blank	SB1-1022	108	50-150
OFX-01-sed-00	630501	101	50-150
OF6-01-sed-00	630502	94	50-150
AUR-01-sur-00	630503	100	50-150
STC-01-sur-00	630504	95	50-150
05W-01-sur-00	630505	99	50-150
05E-01-sur-00	630506	95	50-150
05W-02-sub-02	630507	120	50-150
05E-02-sub-02	630508	114	50-150
MNS-01-sur-00	630509	115	50-150
03A-01-sed-00	630510	102	50-150
OF3-01-sed-00	630511	86	50-150
OF2-01-sed-00	630512	103	50-150

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Client Information		Lab Information	
Project Name:	Linnton Plywood	**Lab Batch ID:**	**6305**
Project Manager:	Paul LaFrance/PDX		
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Sampling Date:	10/16/2001	Analysis Method:	SW 8015-P
Sampling Time:	See Cross reference	Report Revision No.:	0
Type:	Grab	Analyzed By:	MAS
Matrix:	Soil	Reviewed By:	DAL
Basis:	As Received	Units:	mg/kg

Client ID	Lab ID	Gasoline Range Organics C7-C12 MRL	Gasoline Range Organics C7-C12 Result	Qualifier	Date Analyzed
METHOD BLANK	WB1-1025	0.04	0.04	U	10/25/2001
METHOD BLANK	WB1-1026	0.04	0.04	U	10/26/2001
OFX-01-sed-00	630501	4.4	15.0		10/25/2001
OF6-01-sed-00	630502	2.1	7.73		10/25/2001
AUR-01-sur-00	630503	4.3	15.9		10/25/2001
STC-01-sur-00	630504	2.4	8.19		10/25/2001
05W-01-sur-00	630505	3.6	13.2		10/25/2001
05E-01-sur-00	630506	4.4	13.8		10/25/2001
05W-02-sub-02	630507	3.7	12.5		10/26/2001
05E-02-sub-02	630508	3.9	13.6		10/26/2001
MNS-01-sur-00	630509	0.47	1.36		10/26/2001
03A-01-sed-00	630510	0.15	0.38		10/26/2001
OF3-01-sed-00	630511	0.10	0.23		10/26/2001
OF2-01-sed-00	630512	0.06	0.12		10/26/2001

U=Not detected at specified reporting limit

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Client Information		Lab Information	
Project Name:	Linnton Plywood	**Lab Batch ID:**	**6305**
Project Manager:	Paul LaFrance/PDX		
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Sampling Date:	10/16/2001	Analysis Method:	SW 8015-P
Sampling Time:	See Cross reference	Report Revision No.:	0
Type:	Grab	Analyzed By:	MAS
Matrix:	Soil	Reviewed By:	[illegible]
Basis:	As Received	Units:	% Recovery

Client ID	Lab ID	Surrogate Spike Chlorobenzene (SS) % Recovery	Range % Recovery
METHOD BLANK	WB1-1025	121	50-150
OFX-01-sed-00	630501	117	50-150
OF6-01-sed-00	630502	116	50-150
AUR-01-sur-00	630503	114	50-150
STC-01-sur-00	630504	120	50-150
05W-01-sur-00	630505	117	50-150
05E-01-sur-00	630506	120	50-150
METHOD BLANK	WB1-1026	119	50-150
05W-02-sub-02	630507	119	50-150
05E-02-sub-02	630508	115	50-150
MNS-01-sur-00	630509	113	50-150
03A-01-sed-00	630510	113	50-150
OF3-01-sed-00	630511	115	50-150
OF2-01-sed-00	630512	113	50-150

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Client Information	Lab Information
Client Sample ID: OFX-01-sed-00	**Lab Sample ID: 630501**
Project Name: Linnton Plywood	Date Received: 10/17/2001
Project Manager: Paul LaFrance/PDX	Report Revision No.: 0
Sampled By: Peter Pellegrin	Reported By: JG
Sampling Date: 10/16/01	Reviewed By:
Sampling Time: 12:00	
Type: Grab	
Matrix: Soil	
Basis: Dry Weight	

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.6	1.6	U	mg/kg	SW6010B	10/23/01
Chromium, Cr	3.2	20.8		mg/kg	SW6010B	10/23/01
Copper, Cu	3.2	28.5		mg/kg	SW6010B	10/23/01
Lead, Pb	0.95	25.1		mg/kg	SW6010B	10/23/01
Zinc, Zn	6.3	139		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**OF6-01-sed-00**	**Lab Sample ID:**	**630502**
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Reported By:	JG
Sampling Date:	10/16/01	Reviewed By:	JH
Sampling Time:	13:00		
Type:	Grab		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.2	4.2		mg/kg	SW6010B	10/23/01
Chromium, Cr	2.4	22.7		mg/kg	SW6010B	10/23/01
Copper, Cu	2.4	49.8		mg/kg	SW6010B	10/23/01
Lead, Pb	0.73	13.6		mg/kg	SW6010B	10/23/01
Zinc, Zn	4.9	714		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**AUR-01-sur-00**	**Lab Sample ID:**	**630503**
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Reported By:	JG
Sampling Date:	10/16/01	Reviewed By:	DAN
Sampling Time:	13:45		
Type:	Grab		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.3	1.3	U	mg/kg	SW6010B	10/23/01
Chromium, Cr	2.6	25.5		mg/kg	SW6010B	10/23/01
Lead, Pb	0.78	31.0		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**STC-01-sur-00**	**Lab Sample ID:**	**630504**
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Reported By:	JG
Sampling Date:	10/16/01	Reviewed By:	DAD
Sampling Time:	14:30		
Type:	Grab		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.1	1.1	U	mg/kg	SW6010B	10/23/01
Chromium, Cr	2.2	12.6		mg/kg	SW6010B	10/23/01
Lead, Pb	0.65	23.9		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**05W-01-sur-00**	**Lab Sample ID:**	**630505**
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Reported By:	JG
Sampling Date:	10/16/01	Reviewed By:	DAJ
Sampling Time:	15:00		
Type:	Grab		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.3	3.1		mg/kg	SW6010B	10/23/01
Chromium, Cr	2.6	42.2		mg/kg	SW6010B	10/23/01
Copper, Cu	2.6	182		mg/kg	SW6010B	10/23/01
Lead, Pb	0.79	79.8		mg/kg	SW6010B	10/23/01
Zinc, Zn	5.3	482		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	05E-01-sur-00	Lab Sample ID:	630506
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Reported By:	JG
Sampling Date:	10/16/01	Reviewed By:	JAJ
Sampling Time:	15:20		
Type:	Grab		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.7	3.4		mg/kg	SW6010B	10/23/01
Chromium, Cr	3.4	48.4		mg/kg	SW6010B	10/23/01
Copper, Cu	3.4	160		mg/kg	SW6010B	10/23/01
Lead, Pb	1.0	102		mg/kg	SW6010B	10/23/01
Zinc, Zn	6.9	618		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**05W-02-sub-02**	**Lab Sample ID:**	**630507**
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Reported By:	JG
Sampling Date:	10/16/01	Reviewed By:	
Sampling Time:	15:30		
Type:	Grab		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.2	7.7		mg/kg	SW6010B	10/23/01
Chromium, Cr	2.4	67.3		mg/kg	SW6010B	10/23/01
Lead, Pb	0.72	241		mg/kg	SW6010B	10/23/01
Zinc, Zn	4.8	739		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**05E-02-sub-02**	**Lab Sample ID:**	**630508**
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Reported By:	JG
Sampling Date:	10/16/01	Reviewed By:	DAH
Sampling Time:	15:45		
Type:	Grab		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.7	5.8		mg/kg	SW6010B	10/23/01
Chromium, Cr	3.5	56.8		mg/kg	SW6010B	10/23/01
Lead, Pb	1.0	134		mg/kg	SW6010B	10/23/01
Zinc, Zn	6.9	687		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**MNS-01-sur-00**	**Lab Sample ID:**	**630509**
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Reported By:	JG
Sampling Date:	10/16/01	Reviewed By:	DAN
Sampling Time:	16:15		
Type:	Grab		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.7	3.0		mg/kg	SW6010B	10/23/01
Chromium, Cr	3.4	105		mg/kg	SW6010B	10/23/01
Lead, Pb	1.0	402		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information	Lab Information
Client Sample ID: 03A-01-sed-00	**Lab Sample ID: 630510**
Project Name: Linnton Plywood	Date Received: 10/17/2001
Project Manager: Paul LaFrance/PDX	Report Revision No.: 0
Sampled By: Peter Pellegrin	Reported By: JG
Sampling Date: 10/16/01	Reviewed By: DAZ
Sampling Time: 16:35	
Type: Grab	
Matrix: Soil	
Basis: Dry Weight	

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.5	1.5	U	mg/kg	SW6010B	10/23/01
Chromium, Cr	3.1	18.2		mg/kg	SW6010B	10/23/01
Copper, Cu	3.1	24.5		mg/kg	SW6010B	10/23/01
Lead, Pb	0.92	16.5		mg/kg	SW6010B	10/23/01
Zinc, Zn	6.2	177		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**OF3-01-sed-00**	**Lab Sample ID:**	**630511**
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Reported By:	JG
Sampling Date:	10/16/01	Reviewed By:	[illegible]
Sampling Time:	17:00		
Type:	Grab		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.6	1.6	U	mg/kg	SW6010B	10/23/01
Chromium, Cr	3.3	21.1		mg/kg	SW6010B	10/23/01
Copper, Cu	3.3	35.4		mg/kg	SW6010B	10/23/01
Lead, Pb	0.98	33.1		mg/kg	SW6010B	10/23/01
Zinc, Zn	6.5	175		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**OF2-01-sed-00**	**Lab Sample ID:**	**630512**
Project Name:	Linnton Plywood	Date Received:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	Peter Pellegrin	Reported By:	JG
Sampling Date:	10/16/01	Reviewed By:	[illegible]
Sampling Time:	17:20		
Type:	Grab		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.4	1.4	U	mg/kg	SW6010B	10/23/01
Chromium, Cr	2.8	23.8		mg/kg	SW6010B	10/23/01
Copper, Cu	2.8	13.9		mg/kg	SW6010B	10/23/01
Lead, Pb	0.85	12.1		mg/kg	SW6010B	10/23/01
Zinc, Zn	5.6	111		mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**METHOD BLANK**	**Lab Sample ID:**	**6305**
Project Name:	Linnton Plywood	Date Received:	NA
Project Manager:	Paul LaFrance/PDX	Report Revision No.:	0
Sampled By:	NA	Reported By:	JG
Sampling Date:	NA	Reviewed By:	[illegible]
Sampling Time:	NA		
Type:	QC		
Matrix:	Soil		
Basis:	Dry Weight		

Analyte	MRL	Sample Result	Qualifier	Units	Analysis Method	Date Analyzed
Cadmium, Cd	1.0	1.0	U	mg/kg	SW6010B	10/23/01
Chromium, Cr	2.0	2.0	U	mg/kg	SW6010B	10/23/01
Copper, Cu	2.0	2.0	U	mg/kg	SW6010B	10/23/01
Lead, Pb	0.60	0.60	U	mg/kg	SW6010B	10/23/01
Zinc, Zn	4.0	4.0	U	mg/kg	SW6010B	10/23/01

U=Not detected at specified reporting limits

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Client Information		Lab Information	
Client Sample ID:	**OFX-01-sed-00**	**Lab Sample ID:**	**630501**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	12:00	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.5	1.5	U
Chloromethane	74-87-3	1.5	1.5	U
Vinyl Chloride	75-01-4	1.5	1.5	U
Bromomethane	74-83-9	1.5	1.5	U
Chloroethane	75-00-3	1.5	1.5	U
Trichlorofluoromethane	75-69-4	1.5	1.5	U
1,1-Dichloroethene	75-35-4	1.5	1.5	U
Methylene chloride	75-09-2	7.7	7.7	U
trans-1,2-Dichloroethene	156-60-5	1.5	1.5	U
1,1-Dichloroethane	75-34-3	1.5	1.5	U
cis-1,2-Dichloroethene	156-59-2	1.5	1.5	U
Bromochloromethane	74-97-5	1.5	1.5	U
Chloroform	67-66-3	1.5	1.5	U
2,2-Dichloropropane	594-20-7	1.5	1.5	U
1,2-Dichloroethane	107-06-2	1.5	1.5	U
1,1,1-Trichloroethane	71-55-6	1.5	1.5	U
1,1-Dichloropropene	563-58-6	1.5	1.5	U
Carbon Tetrachloride	56-23-5	1.5	1.5	U
Benzene	71-43-2	1.5	1.5	U
Dibromomethane	74-95-3	1.5	1.5	U
1,2-Dichloropropane	78-87-5	1.5	1.5	U
Trichloroethene	79-01-6	1.5	1.5	U
Bromodichloromethane	75-27-4	1.5	1.5	U
cis-1,3-Dichloropropene	10061-01-5	1.5	1.5	U
trans-1,3-Dichloropropene	10061-02-6	1.5	1.5	U
1,1,2-Trichloroethane	79-00-5	1.5	1.5	U
Toluene	108-88-3	1.5	76.5	
1,3-Dichloropropane	142-28-9	1.5	1.5	U
Dibromochloromethane	124-48-1	1.5	1.5	U
1,2-Dibromoethane	106-93-4	1.5	1.5	U
Tetrachloroethene	127-18-4	1.5	1.5	U
1,1,1,2-Tetrachloroethane	630-20-6	1.5	1.5	U
Chlorobenzene	108-90-7	1.5	1.5	U
Ethylbenzene	100-41-4	1.5	1.5	U
m,p-Xylenes	1330-20-7	1.5	1.5	U
Bromoform	75-25-2	1.5	1.5	U
Styrene	100-42-5	1.5	1.5	U
1,1,2,2-Tetrachloroethane	79-34-5	1.5	1.5	U
o-Xylene	95-47-6	1.5	1.5	U
1,2,3-Trichloropropane	96-18-4	1.5	1.5	U
Isopropylbenzene	98-82-8	1.5	1.5	U
Bromobenzene	108-86-1	1.5	1.5	U
n-Propylbenzene	103-65-1	1.5	1.5	U
2-Chlorotoluene	95-49-8	1.5	1.5	U
4-Chlorotoluene	106-43-4	1.5	1.5	U

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Client Information		Lab Information	
Client Sample ID:	**OFX-01-sed-00**	**Lab Sample ID:**	**630501**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	12:00	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	DAA

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.5	1.5	U
tert-Butylbenzene	98-06-6	1.5	1.5	U
1,2,4-Trimethylbenzene	95-63-6	1.5	1.5	U
sec-Butylbenzene	135-98-8	1.5	1.5	U
1,3-Dichlorobenzene	541-73-1	1.5	1.5	U
1,4-Dichlorobenzene	106-46-7	1.5	1.5	U
p-Isopropyltoluene	99-87-6	1.5	15.6	
1,2-Dichlorobenzene	95-50-1	1.5	1.5	U
n-Butylbenzene	104-51-8	1.5	1.5	U
1,2-Dibromo-3-chloropropane	96-12-8	1.5	1.5	U
1,2,4-Trichlorobenzene	120-82-1	1.5	1.5	U
Napthalene	91-20-3	1.5	1.5	U
Hexachlorobutadiene	87-68-3	1.5	1.5	U
1,2,3-Trichlorobenzene	87-61-6	1.5	1.5	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	89%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	84%	SS
Toluene-d8	2037-26-5	65-135%	93%	SS
p-Bromofluorobenzene	460-00-4	65-135%	82%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**OF6-01-sed-00**	**Lab Sample ID:**	**630502**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	13:00	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.2	1.2	U
Chloromethane	74-87-3	1.2	1.2	U
Vinyl Chloride	75-01-4	1.2	1.2	U
Bromomethane	74-83-9	1.2	1.2	U
Chloroethane	75-00-3	1.2	1.2	U
Trichlorofluoromethane	75-69-4	1.2	1.2	U
1,1-Dichloroethene	75-35-4	1.2	1.2	U
Methylene chloride	75-09-2	6.2	6.2	U
trans-1,2-Dichloroethene	156-60-5	1.2	1.2	U
1,1-Dichloroethane	75-34-3	1.2	1.2	U
cis-1,2-Dichloroethene	156-59-2	1.2	1.2	U
Bromochloromethane	74-97-5	1.2	1.2	U
Chloroform	67-66-3	1.2	1.2	U
2,2-Dichloropropane	594-20-7	1.2	1.2	U
1,2-Dichloroethane	107-06-2	1.2	1.2	U
1,1,1-Trichloroethane	71-55-6	1.2	1.2	U
1,1-Dichloropropene	563-58-6	1.2	1.2	U
Carbon Tetrachloride	56-23-5	1.2	1.2	U
Benzene	71-43-2	1.2	1.2	U
Dibromomethane	74-95-3	1.2	1.2	U
1,2-Dichloropropane	78-87-5	1.2	1.2	U
Trichloroethene	79-01-6	1.2	1.2	U
Bromodichloromethane	75-27-4	1.2	1.2	U
cis-1,3-Dichloropropene	10061-01-5	1.2	1.2	U
trans-1,3-Dichloropropene	10061-02-6	1.2	1.2	U
1,1,2-Trichloroethane	79-00-5	1.2	1.2	U
Toluene	108-88-3	1.2	1.2	U
1,3-Dichloropropane	142-28-9	1.2	1.2	U
Dibromochloromethane	124-48-1	1.2	1.2	U
1,2-Dibromoethane	106-93-4	1.2	1.2	U
Tetrachloroethene	127-18-4	1.2	1.2	U
1,1,1,2-Tetrachloroethane	630-20-6	1.2	1.2	U
Chlorobenzene	108-90-7	1.2	1.2	U
Ethylbenzene	100-41-4	1.2	1.2	U
m,p-Xylenes	1330-20-7	1.2	1.2	U
Bromoform	75-25-2	1.2	1.2	U
Styrene	100-42-5	1.2	1.2	U
1,1,2,2-Tetrachloroethane	79-34-5	1.2	1.2	U
o-Xylene	95-47-6	1.2	1.2	U
1,2,3-Trichloropropane	96-18-4	1.2	1.2	U
Isopropylbenzene	98-82-8	1.2	1.2	U
Bromobenzene	108-86-1	1.2	1.2	U
n-Propylbenzene	103-65-1	1.2	1.2	U
2-Chlorotoluene	95-49-8	1.2	1.2	U
4-Chlorotoluene	106-43-4	1.2	1.2	U

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Client Information		Lab Information	
Client Sample ID:	**OF6-01-sed-00**	**Lab Sample ID:**	**630502**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	13:00	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.2	1.2	U
tert-Butylbenzene	98-06-6	1.2	1.2	U
1,2,4-Trimethylbenzene	95-63-6	1.2	1.2	U
sec-Butylbenzene	135-98-8	1.2	1.2	U
1,3-Dichlorobenzene	541-73-1	1.2	1.2	U
1,4-Dichlorobenzene	106-46-7	1.2	1.2	U
p-Isopropyltoluene	99-87-6	1.2	159	E
1,2-Dichlorobenzene	95-50-1	1.2	1.2	U
n-Butylbenzene	104-51-8	1.2	1.2	U
1,2-Dibromo-3-chloropropane	96-12-8	1.2	1.2	U
1,2,4-Trichlorobenzene	120-82-1	1.2	1.2	U
Napthalene	91-20-3	1.2	1.2	U
Hexachlorobutadiene	87-68-3	1.2	1.2	U
1,2,3-Trichlorobenzene	87-61-6	1.2	1.2	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	90%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	87%	SS
Toluene-d8	2037-26-5	65-135%	98%	SS
p-Bromofluorobenzene	460-00-4	65-135%	96%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**OF6-01-sed-00 DL**	**Lab Sample ID:**	**630502R2**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/30/2001
Time Collected:	13:00	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	10.2	10.2	U
Chloromethane	74-87-3	10.2	10.2	U
Vinyl Chloride	75-01-4	10.2	10.2	U
Bromomethane	74-83-9	10.2	10.2	U
Chloroethane	75-00-3	10.2	10.2	U
Trichlorofluoromethane	75-69-4	10.2	10.2	U
1,1-Dichloroethene	75-35-4	10.2	10.2	U
Methylene chloride	75-09-2	50.8	50.8	U
trans-1,2-Dichloroethene	156-60-5	10.2	10.2	U
1,1-Dichloroethane	75-34-3	10.2	10.2	U
cis-1,2-Dichloroethene	156-59-2	10.2	10.2	U
Bromochloromethane	74-97-5	10.2	10.2	U
Chloroform	67-66-3	10.2	10.2	U
2,2-Dichloropropane	594-20-7	10.2	10.2	U
1,2-Dichloroethane	107-06-2	10.2	10.2	U
1,1,1-Trichloroethane	71-55-6	10.2	10.2	U
1,1-Dichloropropene	563-58-6	10.2	10.2	U
Carbon Tetrachloride	56-23-5	10.2	10.2	U
Benzene	71-43-2	10.2	10.2	U
Dibromomethane	74-95-3	10.2	10.2	U
1,2-Dichloropropane	78-87-5	10.2	10.2	U
Trichloroethene	79-01-6	10.2	10.2	U
Bromodichloromethane	75-27-4	10.2	10.2	U
cis-1,3-Dichloropropene	10061-01-5	10.2	10.2	U
trans-1,3-Dichloropropene	10061-02-6	10.2	10.2	U
1,1,2-Trichloroethane	79-00-5	10.2	10.2	U
Toluene	108-88-3	10.2	10.2	U
1,3-Dichloropropane	142-28-9	10.2	10.2	U
Dibromochloromethane	124-48-1	10.2	10.2	U
1,2-Dibromoethane	106-93-4	10.2	10.2	U
Tetrachloroethene	127-18-4	10.2	10.2	U
1,1,1,2-Tetrachloroethane	630-20-6	10.2	10.2	U
Chlorobenzene	108-90-7	10.2	10.2	U
Ethylbenzene	100-41-4	10.2	10.2	U
m,p-Xylenes	1330-20-7	10.2	10.2	U
Bromoform	75-25-2	10.2	10.2	U
Styrene	100-42-5	10.2	10.2	U
1,1,2,2-Tetrachloroethane	79-34-5	10.2	10.2	U
o-Xylene	95-47-6	10.2	10.2	U
1,2,3-Trichloropropane	96-18-4	10.2	10.2	U
Isopropylbenzene	98-82-8	10.2	10.2	U
Bromobenzene	108-86-1	10.2	10.2	U
n-Propylbenzene	103-65-1	10.2	10.2	U
2-Chlorotoluene	95-49-8	10.2	10.2	U
4-Chlorotoluene	106-43-4	10.2	10.2	U

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Client Information		Lab Information	
Client Sample ID:	**OF6-01-sed-00 DL**	**Lab Sample ID:**	**630502R2**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/30/2001
Time Collected:	13:00	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	10.2	10.2	U
tert-Butylbenzene	98-06-6	10.2	10.2	U
1,2,4-Trimethylbenzene	95-63-6	10.2	10.2	U
sec-Butylbenzene	135-98-8	10.2	10.2	U
1,3-Dichlorobenzene	541-73-1	10.2	10.2	U
1,4-Dichlorobenzene	106-46-7	10.2	10.2	U
p-Isopropyltoluene	99-87-6	10.2	792	
1,2-Dichlorobenzene	95-50-1	10.2	10.2	U
n-Butylbenzene	104-51-8	10.2	10.2	U
1,2-Dibromo-3-chloropropane	96-12-8	10.2	10.2	U
1,2,4-Trichlorobenzene	120-82-1	10.2	10.2	U
Napthalene	91-20-3	10.2	10.2	U
Hexachlorobutadiene	87-68-3	10.2	10.2	U
1,2,3-Trichlorobenzene	87-61-6	10.2	10.2	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	96%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	98%	SS
Toluene-d8	2037-26-5	65-135%	105%	SS
p-Bromofluorobenzene	460-00-4	65-135%	98%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**AUR-01-sur-00**	**Lab Sample ID:**	**630503**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	13:45	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	DAA

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.3	1.3	U
Chloromethane	74-87-3	1.3	1.3	U
Vinyl Chloride	75-01-4	1.3	1.3	U
Bromomethane	74-83-9	1.3	1.3	U
Chloroethane	75-00-3	1.3	1.3	U
Trichlorofluoromethane	75-69-4	1.3	1.3	U
1,1-Dichloroethene	75-35-4	1.3	1.7	
Methylene chloride	75-09-2	6.5	6.5	U
trans-1,2-Dichloroethene	156-60-5	1.3	1.3	U
1,1-Dichloroethane	75-34-3	1.3	1.3	U
cis-1,2-Dichloroethene	156-59-2	1.3	1.3	U
Bromochloromethane	74-97-5	1.3	1.3	U
Chloroform	67-66-3	1.3	1.3	U
2,2-Dichloropropane	594-20-7	1.3	1.3	U
1,2-Dichloroethane	107-06-2	1.3	1.3	U
1,1,1-Trichloroethane	71-55-6	1.3	1.3	U
1,1-Dichloropropene	563-58-6	1.3	1.3	U
Carbon Tetrachloride	56-23-5	1.3	1.3	U
Benzene	71-43-2	1.3	1.3	U
Dibromomethane	74-95-3	1.3	1.3	U
1,2-Dichloropropane	78-87-5	1.3	1.3	U
Trichloroethene	79-01-6	1.3	1.3	U
Bromodichloromethane	75-27-4	1.3	1.3	U
cis-1,3-Dichloropropene	10061-01-5	1.3	1.3	U
trans-1,3-Dichloropropene	10061-02-6	1.3	1.3	U
1,1,2-Trichloroethane	79-00-5	1.3	1.3	U
Toluene	108-88-3	1.3	1.3	U
1,3-Dichloropropane	142-28-9	1.3	1.3	U
Dibromochloromethane	124-48-1	1.3	1.3	U
1,2-Dibromoethane	106-93-4	1.3	1.3	U
Tetrachloroethene	127-18-4	1.3	1.3	U
1,1,1,2-Tetrachloroethane	630-20-6	1.3	1.3	U
Chlorobenzene	108-90-7	1.3	1.3	U
Ethylbenzene	100-41-4	1.3	1.3	U
m,p-Xylenes	1330-20-7	1.3	1.3	U
Bromoform	75-25-2	1.3	1.3	U
Styrene	100-42-5	1.3	1.3	U
1,1,2,2-Tetrachloroethane	79-34-5	1.3	1.3	U
o-Xylene	95-47-6	1.3	1.3	U
1,2,3-Trichloropropane	96-18-4	1.3	1.3	U
Isopropylbenzene	98-82-8	1.3	1.3	U
Bromobenzene	108-86-1	1.3	1.3	U
n-Propylbenzene	103-65-1	1.3	1.3	U
2-Chlorotoluene	95-49-8	1.3	1.3	U
4-Chlorotoluene	106-43-4	1.3	1.3	U

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Client Information		Lab Information	
Client Sample ID:	**AUR-01-sur-00**	**Lab Sample ID:**	**630503**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	13:45	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	DAN

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.3	1.3	U
tert-Butylbenzene	98-06-6	1.3	1.3	U
1,2,4-Trimethylbenzene	95-63-6	1.3	1.3	U
sec-Butylbenzene	135-98-8	1.3	1.3	U
1,3-Dichlorobenzene	541-73-1	1.3	1.3	U
1,4-Dichlorobenzene	106-46-7	1.3	1.3	U
p-Isopropyltoluene	99-87-6	1.3	1.3	U
1,2-Dichlorobenzene	95-50-1	1.3	1.3	U
n-Butylbenzene	104-51-8	1.3	1.3	U
1,2-Dibromo-3-chloropropane	96-12-8	1.3	1.3	U
1,2,4-Trichlorobenzene	120-82-1	1.3	1.3	U
Napthalene	91-20-3	1.3	1.3	U
Hexachlorobutadiene	87-68-3	1.3	1.3	U
1,2,3-Trichlorobenzene	87-61-6	1.3	1.3	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	93%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	87%	SS
Toluene-d8	2037-26-5	65-135%	95%	SS
p-Bromofluorobenzene	460-00-4	65-135%	91%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**STC-01-sur-00**	**Lab Sample ID:**	**630504**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	14:30	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.1	1.1	U
Chloromethane	74-87-3	1.1	1.1	U
Vinyl Chloride	75-01-4	1.1	1.1	U
Bromomethane	74-83-9	1.1	1.1	U
Chloroethane	75-00-3	1.1	1.1	U
Trichlorofluoromethane	75-69-4	1.1	1.1	U
1,1-Dichloroethene	75-35-4	1.1	1.1	U
Methylene chloride	75-09-2	5.4	5.4	U
trans-1,2-Dichloroethene	156-60-5	1.1	1.1	U
1,1-Dichloroethane	75-34-3	1.1	1.1	U
cis-1,2-Dichloroethene	156-59-2	1.1	1.1	U
Bromochloromethane	74-97-5	1.1	1.1	U
Chloroform	67-66-3	1.1	1.1	U
2,2-Dichloropropane	594-20-7	1.1	1.1	U
1,2-Dichloroethane	107-06-2	1.1	1.1	U
1,1,1-Trichloroethane	71-55-6	1.1	1.1	U
1,1-Dichloropropene	563-58-6	1.1	1.1	U
Carbon Tetrachloride	56-23-5	1.1	1.1	U
Benzene	71-43-2	1.1	1.1	U
Dibromomethane	74-95-3	1.1	1.1	U
1,2-Dichloropropane	78-87-5	1.1	1.1	U
Trichloroethene	79-01-6	1.1	1.1	U
Bromodichloromethane	75-27-4	1.1	1.1	U
cis-1,3-Dichloropropene	10061-01-5	1.1	1.1	U
trans-1,3-Dichloropropene	10061-02-6	1.1	1.1	U
1,1,2-Trichloroethane	79-00-5	1.1	1.1	U
Toluene	108-88-3	1.1	1.1	U
1,3-Dichloropropane	142-28-9	1.1	1.1	U
Dibromochloromethane	124-48-1	1.1	1.1	U
1,2-Dibromoethane	106-93-4	1.1	1.1	U
Tetrachloroethene	127-18-4	1.1	1.1	U
1,1,1,2-Tetrachloroethane	630-20-6	1.1	1.1	U
Chlorobenzene	108-90-7	1.1	1.1	U
Ethylbenzene	100-41-4	1.1	1.1	U
m,p-Xylenes	1330-20-7	1.1	1.1	U
Bromoform	75-25-2	1.1	1.1	U
Styrene	100-42-5	1.1	1.1	U
1,1,2,2-Tetrachloroethane	79-34-5	1.1	1.1	U
o-Xylene	95-47-6	1.1	1.1	U
1,2,3-Trichloropropane	96-18-4	1.1	1.1	U
Isopropylbenzene	98-82-8	1.1	1.1	U
Bromobenzene	108-86-1	1.1	1.1	U
n-Propylbenzene	103-65-1	1.1	1.1	U
2-Chlorotoluene	95-49-8	1.1	1.1	U
4-Chlorotoluene	106-43-4	1.1	1.1	U

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Client Information		Lab Information	
Client Sample ID:	**STC-01-sur-00**	**Lab Sample ID:**	**630504**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	14:30	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	SAH

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.1	1.1	U
tert-Butylbenzene	98-06-6	1.1	1.1	U
1,2,4-Trimethylbenzene	95-63-6	1.1	1.1	U
sec-Butylbenzene	135-98-8	1.1	1.1	U
1,3-Dichlorobenzene	541-73-1	1.1	1.1	U
1,4-Dichlorobenzene	106-46-7	1.1	1.1	U
p-Isopropyltoluene	99-87-6	1.1	1.1	U
1,2-Dichlorobenzene	95-50-1	1.1	1.1	U
n-Butylbenzene	104-51-8	1.1	1.1	U
1,2-Dibromo-3-chloropropane	96-12-8	1.1	1.1	U
1,2,4-Trichlorobenzene	120-82-1	1.1	1.1	U
Napthalene	91-20-3	1.1	1.1	U
Hexachlorobutadiene	87-68-3	1.1	1.1	U
1,2,3-Trichlorobenzene	87-61-6	1.1	1.1	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	94%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	94%	SS
Toluene-d8	2037-26-5	65-135%	100%	SS
p-Bromofluorobenzene	460-00-4	65-135%	97%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**05W-01-sur-00**	**Lab Sample ID:**	**630505R1**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	15:00	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.9	1.9	U
Chloromethane	74-87-3	1.9	1.9	U
Vinyl Chloride	75-01-4	1.9	1.9	U
Bromomethane	74-83-9	1.9	1.9	U
Chloroethane	75-00-3	1.9	1.9	U
Trichlorofluoromethane	75-69-4	1.9	1.9	U
1,1-Dichloroethene	75-35-4	1.9	1.9	U
Methylene chloride	75-09-2	9.4	9.4	U
trans-1,2-Dichloroethene	156-60-5	1.9	1.9	U
1,1-Dichloroethane	75-34-3	1.9	1.9	U
cis-1,2-Dichloroethene	156-59-2	1.9	1.9	U
Bromochloromethane	74-97-5	1.9	1.9	U
Chloroform	67-66-3	1.9	1.9	U
2,2-Dichloropropane	594-20-7	1.9	1.9	U
1,2-Dichloroethane	107-06-2	1.9	1.9	U
1,1,1-Trichloroethane	71-55-6	1.9	1.9	U
1,1-Dichloropropene	563-58-6	1.9	1.9	U
Carbon Tetrachloride	56-23-5	1.9	1.9	U
Benzene	71-43-2	1.9	1.9	U
Dibromomethane	74-95-3	1.9	1.9	U
1,2-Dichloropropane	78-87-5	1.9	1.9	U
Trichloroethene	79-01-6	1.9	1.9	U
Bromodichloromethane	75-27-4	1.9	1.9	U
cis-1,3-Dichloropropene	10061-01-5	1.9	1.9	U
trans-1,3-Dichloropropene	10061-02-6	1.9	1.9	U
1,1,2-Trichloroethane	79-00-5	1.9	1.9	U
Toluene	108-88-3	1.9	1.9	U
1,3-Dichloropropane	142-28-9	1.9	1.9	U
Dibromochloromethane	124-48-1	1.9	1.9	U
1,2-Dibromoethane	106-93-4	1.9	1.9	U
Tetrachloroethene	127-18-4	1.9	1.9	U
1,1,1,2-Tetrachloroethane	630-20-6	1.9	1.9	U
Chlorobenzene	108-90-7	1.9	1.9	U
Ethylbenzene	100-41-4	1.9	1.9	U
m,p-Xylenes	1330-20-7	1.9	1.9	U
Bromoform	75-25-2	1.9	1.9	U
Styrene	100-42-5	1.9	1.9	U
1,1,2,2-Tetrachloroethane	79-34-5	1.9	1.9	U
o-Xylene	95-47-6	1.9	1.9	U
1,2,3-Trichloropropane	96-18-4	1.9	1.9	U
Isopropylbenzene	98-82-8	1.9	1.9	U
Bromobenzene	108-86-1	1.9	1.9	U
n-Propylbenzene	103-65-1	1.9	1.9	U
2-Chlorotoluene	95-49-8	1.9	1.9	U
4-Chlorotoluene	106-43-4	1.9	1.9	U

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Client Information	Lab Information
Client Sample ID: 05W-01-sur-00	**Lab Sample ID: 630505R1**
Project Name: Linnton Plywood	Analysis Method: SW 8260B
Project Manager: Paul LaFrance/PDX	Units: µg/kg
Sampled By: Peter Pellegrin	Date Received: 10/17/2001
Date Collected: 10/16/2001	Date Analyzed: 10/24/2001
Time Collected: 15:00	Dilution Factor: 1
Type: Grab	Report Revision No.: 0
Matrix: Soil	Reported By: MCB
Basis: Dry Weight	Reviewed By: [illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.9	1.9	U
tert-Butylbenzene	98-06-6	1.9	1.9	U
1,2,4-Trimethylbenzene	95-63-6	1.9	1.9	U
sec-Butylbenzene	135-98-8	1.9	1.9	U
1,3-Dichlorobenzene	541-73-1	1.9	1.9	U
1,4-Dichlorobenzene	106-46-7	1.9	1.9	U
p-Isopropyltoluene	99-87-6	1.9	1.9	U
1,2-Dichlorobenzene	95-50-1	1.9	1.9	U
n-Butylbenzene	104-51-8	1.9	1.9	U
1,2-Dibromo-3-chloropropane	96-12-8	1.9	1.9	U
1,2,4-Trichlorobenzene	120-82-1	1.9	1.9	U
Napthalene	91-20-3	1.9	1.9	U
Hexachlorobutadiene	87-68-3	1.9	1.9	U
1,2,3-Trichlorobenzene	87-61-6	1.9	1.9	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	99%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	97%	SS
Toluene-d8	2037-26-5	65-135%	63%	SS
p-Bromofluorobenzene	460-00-4	65-135%	73%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**05E-01-sur-00**	**Lab Sample ID:**	**630506R1**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	15:20	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	2.5	2.5	U
Chloromethane	74-87-3	2.5	2.5	U
Vinyl Chloride	75-01-4	2.5	2.5	U
Bromomethane	74-83-9	2.5	2.5	U
Chloroethane	75-00-3	2.5	2.5	U
Trichlorofluoromethane	75-69-4	2.5	2.5	U
1,1-Dichloroethene	75-35-4	2.5	2.5	U
Methylene chloride	75-09-2	12.4	12.4	U
trans-1,2-Dichloroethene	156-60-5	2.5	2.5	U
1,1-Dichloroethane	75-34-3	2.5	2.5	U
cis-1,2-Dichloroethene	156-59-2	2.5	5.4	
Bromochloromethane	74-97-5	2.5	2.5	U
Chloroform	67-66-3	2.5	2.5	U
2,2-Dichloropropane	594-20-7	2.5	2.5	U
1,2-Dichloroethane	107-06-2	2.5	2.5	U
1,1,1-Trichloroethane	71-55-6	2.5	2.5	U
1,1-Dichloropropene	563-58-6	2.5	2.5	U
Carbon Tetrachloride	56-23-5	2.5	2.5	U
Benzene	71-43-2	2.5	2.5	U
Dibromomethane	74-95-3	2.5	2.5	U
1,2-Dichloropropane	78-87-5	2.5	2.5	U
Trichloroethene	79-01-6	2.5	2.5	U
Bromodichloromethane	75-27-4	2.5	2.5	U
cis-1,3-Dichloropropene	10061-01-5	2.5	2.5	U
trans-1,3-Dichloropropene	10061-02-6	2.5	2.5	U
1,1,2-Trichloroethane	79-00-5	2.5	2.5	U
Toluene	108-88-3	2.5	2.5	U
1,3-Dichloropropane	142-28-9	2.5	2.5	U
Dibromochloromethane	124-48-1	2.5	2.5	U
1,2-Dibromoethane	106-93-4	2.5	2.5	U
Tetrachloroethene	127-18-4	2.5	3.5	
1,1,1,2-Tetrachloroethane	630-20-6	2.5	2.5	U
Chlorobenzene	108-90-7	2.5	2.5	U
Ethylbenzene	100-41-4	2.5	2.5	U
m,p-Xylenes	1330-20-7	2.5	2.5	U
Bromoform	75-25-2	2.5	2.5	U
Styrene	100-42-5	2.5	2.5	U
1,1,2,2-Tetrachloroethane	79-34-5	2.5	2.5	U
o-Xylene	95-47-6	2.5	2.5	U
1,2,3-Trichloropropane	96-18-4	2.5	2.5	U
Isopropylbenzene	98-82-8	2.5	2.5	U
Bromobenzene	108-86-1	2.5	2.5	U
n-Propylbenzene	103-65-1	2.5	2.5	U
2-Chlorotoluene	95-49-8	2.5	2.5	U
4-Chlorotoluene	106-43-4	2.5	2.5	U

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Client Information		Lab Information	
Client Sample ID:	**05E-01-sur-00**	**Lab Sample ID:**	**630506R1**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	15:20	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	2.5	2.5	U
tert-Butylbenzene	98-06-6	2.5	2.5	U
1,2,4-Trimethylbenzene	95-63-6	2.5	2.5	U
sec-Butylbenzene	135-98-8	2.5	2.5	U
1,3-Dichlorobenzene	541-73-1	2.5	2.5	U
1,4-Dichlorobenzene	106-46-7	2.5	2.5	U
p-Isopropyltoluene	99-87-6	2.5	2.5	U
1,2-Dichlorobenzene	95-50-1	2.5	2.5	U
n-Butylbenzene	104-51-8	2.5	2.5	U
1,2-Dibromo-3-chloropropane	96-12-8	2.5	2.5	U
1,2,4-Trichlorobenzene	120-82-1	2.5	2.5	U
Napthalene	91-20-3	2.5	2.5	U
Hexachlorobutadiene	87-68-3	2.5	2.5	U
1,2,3-Trichlorobenzene	87-61-6	2.5	2.5	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	96%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	98%	SS
Toluene-d8	2037-26-5	65-135%	73%	SS
p-Bromofluorobenzene	460-00-4	65-135%	72%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**05W-02-sub-02**	**Lab Sample ID:**	**630507R1**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	15:30	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.7	1.7	U
Chloromethane	74-87-3	1.7	1.7	U
Vinyl Chloride	75-01-4	1.7	1.7	U
Bromomethane	74-83-9	1.7	1.7	U
Chloroethane	75-00-3	1.7	1.7	U
Trichlorofluoromethane	75-69-4	1.7	1.7	U
1,1-Dichloroethene	75-35-4	1.7	2.1	
Methylene chloride	75-09-2	8.7	9.0	
trans-1,2-Dichloroethene	156-60-5	1.7	1.7	U
1,1-Dichloroethane	75-34-3	1.7	1.7	U
cis-1,2-Dichloroethene	156-59-2	1.7	1.7	U
Bromochloromethane	74-97-5	1.7	1.7	U
Chloroform	67-66-3	1.7	1.7	U
2,2-Dichloropropane	594-20-7	1.7	1.7	U
1,2-Dichloroethane	107-06-2	1.7	1.7	U
1,1,1-Trichloroethane	71-55-6	1.7	1.7	U
1,1-Dichloropropene	563-58-6	1.7	1.7	U
Carbon Tetrachloride	56-23-5	1.7	1.7	U
Benzene	71-43-2	1.7	1.7	U
Dibromomethane	74-95-3	1.7	1.7	U
1,2-Dichloropropane	78-87-5	1.7	1.7	U
Trichloroethene	79-01-6	1.7	1.7	U
Bromodichloromethane	75-27-4	1.7	1.7	U
cis-1,3-Dichloropropene	10061-01-5	1.7	1.7	U
trans-1,3-Dichloropropene	10061-02-6	1.7	1.7	U
1,1,2-Trichloroethane	79-00-5	1.7	1.7	U
Toluene	108-88-3	1.7	1.7	U
1,3-Dichloropropane	142-28-9	1.7	1.7	U
Dibromochloromethane	124-48-1	1.7	1.7	U
1,2-Dibromoethane	106-93-4	1.7	1.7	U
Tetrachloroethene	127-18-4	1.7	5.4	
1,1,1,2-Tetrachloroethane	630-20-6	1.7	1.7	U
Chlorobenzene	108-90-7	1.7	1.7	U
Ethylbenzene	100-41-4	1.7	1.7	U
m,p-Xylenes	1330-20-7	1.7	1.7	U
Bromoform	75-25-2	1.7	1.7	U
Styrene	100-42-5	1.7	1.7	U
1,1,2,2-Tetrachloroethane	79-34-5	1.7	1.7	U
o-Xylene	95-47-6	1.7	1.7	U
1,2,3-Trichloropropane	96-18-4	1.7	1.7	U
Isopropylbenzene	98-82-8	1.7	1.7	U
Bromobenzene	108-86-1	1.7	1.7	U
n-Propylbenzene	103-65-1	1.7	1.7	U
2-Chlorotoluene	95-49-8	1.7	1.7	U
4-Chlorotoluene	106-43-4	1.7	1.7	U

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Client Information		Lab Information	
Client Sample ID:	**05W-02-sub-02**	**Lab Sample ID:**	**630507R1**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	15:30	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	JSH

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.7	1.7	U
tert-Butylbenzene	98-06-6	1.7	1.7	U
1,2,4-Trimethylbenzene	95-63-6	1.7	1.7	U
sec-Butylbenzene	135-98-8	1.7	1.7	U
1,3-Dichlorobenzene	541-73-1	1.7	1.7	U
1,4-Dichlorobenzene	106-46-7	1.7	1.7	U
p-Isopropyltoluene	99-87-6	1.7	1.7	U
1,2-Dichlorobenzene	95-50-1	1.7	1.7	U
n-Butylbenzene	104-51-8	1.7	1.7	U
1,2-Dibromo-3-chloropropane	96-12-8	1.7	1.7	U
1,2,4-Trichlorobenzene	120-82-1	1.7	1.7	U
Napthalene	91-20-3	1.7	1.7	U
Hexachlorobutadiene	87-68-3	1.7	1.7	U
1,2,3-Trichlorobenzene	87-61-6	1.7	1.7	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	101%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	93%	SS
Toluene-d8	2037-26-5	65-135%	66%	SS
p-Bromofluorobenzene	460-00-4	65-135%	59%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**05E-02-sub-02**	**Lab Sample ID:**	**630508R1**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	15:45	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	2.2	2.2	U
Chloromethane	74-87-3	2.2	2.2	U
Vinyl Chloride	75-01-4	2.2	2.2	U
Bromomethane	74-83-9	2.2	2.2	U
Chloroethane	75-00-3	2.2	2.2	U
Trichlorofluoromethane	75-69-4	2.2	2.2	U
1,1-Dichloroethene	75-35-4	2.2	2.2	U
Methylene chloride	75-09-2	11.2	11.2	U
trans-1,2-Dichloroethene	156-60-5	2.2	2.2	U
1,1-Dichloroethane	75-34-3	2.2	2.2	U
cis-1,2-Dichloroethene	156-59-2	2.2	2.2	U
Bromochloromethane	74-97-5	2.2	2.2	U
Chloroform	67-66-3	2.2	2.2	U
2,2-Dichloropropane	594-20-7	2.2	2.2	U
1,2-Dichloroethane	107-06-2	2.2	2.2	U
1,1,1-Trichloroethane	71-55-6	2.2	2.2	U
1,1-Dichloropropene	563-58-6	2.2	2.2	U
Carbon Tetrachloride	56-23-5	2.2	2.2	U
Benzene	71-43-2	2.2	2.2	U
Dibromomethane	74-95-3	2.2	2.2	U
1,2-Dichloropropane	78-87-5	2.2	2.2	U
Trichloroethene	79-01-6	2.2	2.2	U
Bromodichloromethane	75-27-4	2.2	2.2	U
cis-1,3-Dichloropropene	10061-01-5	2.2	2.2	U
trans-1,3-Dichloropropene	10061-02-6	2.2	2.2	U
1,1,2-Trichloroethane	79-00-5	2.2	2.2	U
Toluene	108-88-3	2.2	2.2	U
1,3-Dichloropropane	142-28-9	2.2	2.2	U
Dibromochloromethane	124-48-1	2.2	2.2	U
1,2-Dibromoethane	106-93-4	2.2	2.2	U
Tetrachloroethene	127-18-4	2.2	17.0	
1,1,1,2-Tetrachloroethane	630-20-6	2.2	2.2	U
Chlorobenzene	108-90-7	2.2	2.2	U
Ethylbenzene	100-41-4	2.2	2.2	U
m,p-Xylenes	1330-20-7	2.2	2.2	U
Bromoform	75-25-2	2.2	2.2	U
Styrene	100-42-5	2.2	2.2	U
1,1,2,2-Tetrachloroethane	79-34-5	2.2	2.2	U
o-Xylene	95-47-6	2.2	2.2	U
1,2,3-Trichloropropane	96-18-4	2.2	2.2	U
Isopropylbenzene	98-82-8	2.2	2.2	U
Bromobenzene	108-86-1	2.2	2.2	U
n-Propylbenzene	103-65-1	2.2	2.2	U
2-Chlorotoluene	95-49-8	2.2	2.2	U
4-Chlorotoluene	106-43-4	2.2	2.2	U

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Client Information		Lab Information	
Client Sample ID:	**05E-02-sub-02**	**Lab Sample ID:**	**630508R1**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	15:45	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	2.2	2.2	U
tert-Butylbenzene	98-06-6	2.2	2.2	U
1,2,4-Trimethylbenzene	95-63-6	2.2	2.2	U
sec-Butylbenzene	135-98-8	2.2	2.2	U
1,3-Dichlorobenzene	541-73-1	2.2	2.2	U
1,4-Dichlorobenzene	106-46-7	2.2	2.2	U
p-Isopropyltoluene	99-87-6	2.2	2.2	U
1,2-Dichlorobenzene	95-50-1	2.2	2.2	U
n-Butylbenzene	104-51-8	2.2	2.2	U
1,2-Dibromo-3-chloropropane	96-12-8	2.2	2.2	U
1,2,4-Trichlorobenzene	120-82-1	2.2	2.2	U
Napthalene	91-20-3	2.2	2.2	U
Hexachlorobutadiene	87-68-3	2.2	2.2	U
1,2,3-Trichlorobenzene	87-61-6	2.2	2.2	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	99%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	94%	SS
Toluene-d8	2037-26-5	65-135%	72%	SS
p-Bromofluorobenzene	460-00-4	65-135%	68%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information	Lab Information
Client Sample ID: MNS-01-sur-00	**Lab Sample ID: 630509R1**
Project Name: Linnton Plywood	Analysis Method: SW 8260B
Project Manager: Paul LaFrance/PDX	Units: µg/kg
Sampled By: Peter Pellegrin	Date Received: 10/17/2001
Date Collected: 10/16/2001	Date Analyzed: 10/30/2001
Time Collected: 16:15	Dilution Factor: 1
Type: Grab	Report Revision No.: 0
Matrix: Soil	Reported By: MCB
Basis: Dry Weight	Reviewed By:

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.9	1.9	U
Chloromethane	74-87-3	1.9	1.9	U
Vinyl Chloride	75-01-4	1.9	1.9	U
Bromomethane	74-83-9	1.9	1.9	U
Chloroethane	75-00-3	1.9	1.9	U
Trichlorofluoromethane	75-69-4	1.9	1.9	U
1,1-Dichloroethene	75-35-4	1.9	1.9	U
Methylene chloride	75-09-2	9.5	9.5	U
trans-1,2-Dichloroethene	156-60-5	1.9	1.9	U
1,1-Dichloroethane	75-34-3	1.9	1.9	U
cis-1,2-Dichloroethene	156-59-2	1.9	1.9	U
Bromochloromethane	74-97-5	1.9	1.9	U
Chloroform	67-66-3	1.9	1.9	U
2,2-Dichloropropane	594-20-7	1.9	1.9	U
1,2-Dichloroethane	107-06-2	1.9	1.9	U
1,1,1-Trichloroethane	71-55-6	1.9	1.9	U
1,1-Dichloropropene	563-58-6	1.9	1.9	U
Carbon Tetrachloride	56-23-5	1.9	1.9	U
Benzene	71-43-2	1.9	1.9	U
Dibromomethane	74-95-3	1.9	1.9	U
1,2-Dichloropropane	78-87-5	1.9	1.9	U
Trichloroethene	79-01-6	1.9	1.9	U
Bromodichloromethane	75-27-4	1.9	1.9	U
cis-1,3-Dichloropropene	10061-01-5	1.9	1.9	U
trans-1,3-Dichloropropene	10061-02-6	1.9	1.9	U
1,1,2-Trichloroethane	79-00-5	1.9	1.9	U
Toluene	108-88-3	1.9	1.9	U
1,3-Dichloropropane	142-28-9	1.9	1.9	U
Dibromochloromethane	124-48-1	1.9	1.9	U
1,2-Dibromoethane	106-93-4	1.9	1.9	U
Tetrachloroethene	127-18-4	1.9	1.9	U
1,1,1,2-Tetrachloroethane	630-20-6	1.9	1.9	U
Chlorobenzene	108-90-7	1.9	1.9	U
Ethylbenzene	100-41-4	1.9	1.9	U
m,p-Xylenes	1330-20-7	1.9	1.9	U
Bromoform	75-25-2	1.9	1.9	U
Styrene	100-42-5	1.9	1.9	U
1,1,2,2-Tetrachloroethane	79-34-5	1.9	1.9	U
o-Xylene	95-47-6	1.9	1.9	U
1,2,3-Trichloropropane	96-18-4	1.9	1.9	U
Isopropylbenzene	98-82-8	1.9	1.9	U
Bromobenzene	108-86-1	1.9	1.9	U
n-Propylbenzene	103-65-1	1.9	1.9	U
2-Chlorotoluene	95-49-8	1.9	1.9	U
4-Chlorotoluene	106-43-4	1.9	1.9	U

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Client Information		Lab Information	
Client Sample ID:	**MNS-01-sur-00**	**Lab Sample ID:**	**630509R1**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/30/2001
Time Collected:	16:15	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.9	1.9	U
tert-Butylbenzene	98-06-6	1.9	1.9	U
1,2,4-Trimethylbenzene	95-63-6	1.9	1.9	U
sec-Butylbenzene	135-98-8	1.9	1.9	U
1,3-Dichlorobenzene	541-73-1	1.9	1.9	U
1,4-Dichlorobenzene	106-46-7	1.9	1.9	U
p-Isopropyltoluene	99-87-6	1.9	1.9	U
1,2-Dichlorobenzene	95-50-1	1.9	1.9	U
n-Butylbenzene	104-51-8	1.9	1.9	U
1,2-Dibromo-3-chloropropane	96-12-8	1.9	1.9	U
1,2,4-Trichlorobenzene	120-82-1	1.9	1.9	U
Napthalene	91-20-3	1.9	1.9	U
Hexachlorobutadiene	87-68-3	1.9	1.9	U
1,2,3-Trichlorobenzene	87-61-6	1.9	1.9	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	105%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	102%	SS
Toluene-d8	2037-26-5	65-135%	91%	SS
p-Bromofluorobenzene	460-00-4	65-135%	70%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**03A-01-sed-00**	**Lab Sample ID:**	**630510**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	16:35	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.5	1.5	U
Chloromethane	74-87-3	1.5	1.5	U
Vinyl Chloride	75-01-4	1.5	1.5	U
Bromomethane	74-83-9	1.5	1.5	U
Chloroethane	75-00-3	1.5	1.5	U
Trichlorofluoromethane	75-69-4	1.5	1.5	U
1,1-Dichloroethene	75-35-4	1.5	1.5	U
Methylene chloride	75-09-2	7.7	7.7	U
trans-1,2-Dichloroethene	156-60-5	1.5	1.5	U
1,1-Dichloroethane	75-34-3	1.5	1.5	U
cis-1,2-Dichloroethene	156-59-2	1.5	1.5	U
Bromochloromethane	74-97-5	1.5	1.5	U
Chloroform	67-66-3	1.5	1.5	U
2,2-Dichloropropane	594-20-7	1.5	1.5	U
1,2-Dichloroethane	107-06-2	1.5	1.5	U
1,1,1-Trichloroethane	71-55-6	1.5	1.5	U
1,1-Dichloropropene	563-58-6	1.5	1.5	U
Carbon Tetrachloride	56-23-5	1.5	1.5	U
Benzene	71-43-2	1.5	1.5	U
Dibromomethane	74-95-3	1.5	1.5	U
1,2-Dichloropropane	78-87-5	1.5	1.5	U
Trichloroethene	79-01-6	1.5	1.5	U
Bromodichloromethane	75-27-4	1.5	1.5	U
cis-1,3-Dichloropropene	10061-01-5	1.5	1.5	U
trans-1,3-Dichloropropene	10061-02-6	1.5	1.5	U
1,1,2-Trichloroethane	79-00-5	1.5	1.5	U
Toluene	108-88-3	1.5	1.5	U
1,3-Dichloropropane	142-28-9	1.5	1.5	U
Dibromochloromethane	124-48-1	1.5	1.5	U
1,2-Dibromoethane	106-93-4	1.5	1.5	U
Tetrachloroethene	127-18-4	1.5	1.5	U
1,1,1,2-Tetrachloroethane	630-20-6	1.5	1.5	U
Chlorobenzene	108-90-7	1.5	1.5	U
Ethylbenzene	100-41-4	1.5	1.5	U
m,p-Xylenes	1330-20-7	1.5	1.5	U
Bromoform	75-25-2	1.5	1.5	U
Styrene	100-42-5	1.5	1.5	U
1,1,2,2-Tetrachloroethane	79-34-5	1.5	1.5	U
o-Xylene	95-47-6	1.5	1.5	U
1,2,3-Trichloropropane	96-18-4	1.5	1.5	U
Isopropylbenzene	98-82-8	1.5	1.5	U
Bromobenzene	108-86-1	1.5	1.5	U
n-Propylbenzene	103-65-1	1.5	1.5	U
2-Chlorotoluene	95-49-8	1.5	1.5	U
4-Chlorotoluene	106-43-4	1.5	1.5	U

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Client Information	Lab Information
Client Sample ID: 03A-01-sed-00	**Lab Sample ID: 630510**
Project Name: Linnton Plywood	Analysis Method: SW 8260B
Project Manager: Paul LaFrance/PDX	Units: µg/kg
Sampled By: Peter Pellegrin	Date Received: 10/17/2001
Date Collected: 10/16/2001	Date Analyzed: 10/24/2001
Time Collected: 16:35	Dilution Factor: 1
Type: Grab	Report Revision No.: 0
Matrix: Soil	Reported By: MCB
Basis: Dry Weight	Reviewed By:

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.5	1.5	U
tert-Butylbenzene	98-06-6	1.5	1.5	U
1,2,4-Trimethylbenzene	95-63-6	1.5	1.5	U
sec-Butylbenzene	135-98-8	1.5	1.5	U
1,3-Dichlorobenzene	541-73-1	1.5	1.5	U
1,4-Dichlorobenzene	106-46-7	1.5	1.5	U
p-Isopropyltoluene	99-87-6	1.5	2.6	
1,2-Dichlorobenzene	95-50-1	1.5	1.5	U
n-Butylbenzene	104-51-8	1.5	1.5	U
1,2-Dibromo-3-chloropropane	96-12-8	1.5	1.5	U
1,2,4-Trichlorobenzene	120-82-1	1.5	1.5	U
Napthalene	91-20-3	1.5	1.5	U
Hexachlorobutadiene	87-68-3	1.5	1.5	U
1,2,3-Trichlorobenzene	87-61-6	1.5	1.5	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	91%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	89%	SS
Toluene-d8	2037-26-5	65-135%	93%	SS
p-Bromofluorobenzene	460-00-4	65-135%	87%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**OF3-01-sed-00**	**Lab Sample ID:**	**630511R1**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/30/2001
Time Collected:	17:00	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.9	1.9	U
Chloromethane	74-87-3	1.9	1.9	U
Vinyl Chloride	75-01-4	1.9	1.9	U
Bromomethane	74-83-9	1.9	1.9	U
Chloroethane	75-00-3	1.9	1.9	U
Trichlorofluoromethane	75-69-4	1.9	1.9	U
1,1-Dichloroethene	75-35-4	1.9	1.9	U
Methylene chloride	75-09-2	9.4	9.4	U
trans-1,2-Dichloroethene	156-60-5	1.9	1.9	U
1,1-Dichloroethane	75-34-3	1.9	1.9	U
cis-1,2-Dichloroethene	156-59-2	1.9	1.9	U
Bromochloromethane	74-97-5	1.9	1.9	U
Chloroform	67-66-3	1.9	1.9	U
2,2-Dichloropropane	594-20-7	1.9	1.9	U
1,2-Dichloroethane	107-06-2	1.9	1.9	U
1,1,1-Trichloroethane	71-55-6	1.9	1.9	U
1,1-Dichloropropene	563-58-6	1.9	1.9	U
Carbon Tetrachloride	56-23-5	1.9	1.9	U
Benzene	71-43-2	1.9	1.9	U
Dibromomethane	74-95-3	1.9	1.9	U
1,2-Dichloropropane	78-87-5	1.9	1.9	U
Trichloroethene	79-01-6	1.9	1.9	U
Bromodichloromethane	75-27-4	1.9	1.9	U
cis-1,3-Dichloropropene	10061-01-5	1.9	1.9	U
trans-1,3-Dichloropropene	10061-02-6	1.9	1.9	U
1,1,2-Trichloroethane	79-00-5	1.9	1.9	U
Toluene	108-88-3	1.9	24.9	
1,3-Dichloropropane	142-28-9	1.9	1.9	U
Dibromochloromethane	124-48-1	1.9	1.9	U
1,2-Dibromoethane	106-93-4	1.9	1.9	U
Tetrachloroethene	127-18-4	1.9	1.9	U
1,1,1,2-Tetrachloroethane	630-20-6	1.9	1.9	U
Chlorobenzene	108-90-7	1.9	1.9	U
Ethylbenzene	100-41-4	1.9	1.9	U
m,p-Xylenes	1330-20-7	1.9	1.9	U
Bromoform	75-25-2	1.9	1.9	U
Styrene	100-42-5	1.9	1.9	U
1,1,2,2-Tetrachloroethane	79-34-5	1.9	1.9	U
o-Xylene	95-47-6	1.9	1.9	U
1,2,3-Trichloropropane	96-18-4	1.9	1.9	U
Isopropylbenzene	98-82-8	1.9	1.9	U
Bromobenzene	108-86-1	1.9	1.9	U
n-Propylbenzene	103-65-1	1.9	1.9	U
2-Chlorotoluene	95-49-8	1.9	1.9	U
4-Chlorotoluene	106-43-4	1.9	1.9	U

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Client Information	Lab Information
Client Sample ID: OF3-01-sed-00	**Lab Sample ID: 630511R1**
Project Name: Linnton Plywood	Analysis Method: SW 8260B
Project Manager: Paul LaFrance/PDX	Units: µg/kg
Sampled By: Peter Pellegrin	Date Received: 10/17/2001
Date Collected: 10/16/2001	Date Analyzed: 10/30/2001
Time Collected: 17:00	Dilution Factor: 1
Type: Grab	Report Revision No.: 0
Matrix: Soil	Reported By: MCB
Basis: Dry Weight	Reviewed By: DAZ

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.9	1.9	U
tert-Butylbenzene	98-06-6	1.9	1.9	U
1,2,4-Trimethylbenzene	95-63-6	1.9	1.9	U
sec-Butylbenzene	135-98-8	1.9	1.9	U
1,3-Dichlorobenzene	541-73-1	1.9	1.9	U
1,4-Dichlorobenzene	106-46-7	1.9	1.9	U
p-Isopropyltoluene	99-87-6	1.9	12.2	
1,2-Dichlorobenzene	95-50-1	1.9	1.9	U
n-Butylbenzene	104-51-8	1.9	1.9	U
1,2-Dibromo-3-chloropropane	96-12-8	1.9	1.9	U
1,2,4-Trichlorobenzene	120-82-1	1.9	1.9	U
Napthalene	91-20-3	1.9	1.9	U
Hexachlorobutadiene	87-68-3	1.9	1.9	U
1,2,3-Trichlorobenzene	87-61-6	1.9	1.9	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	104%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	114%	SS
Toluene-d8	2037-26-5	65-135%	88%	SS
p-Bromofluorobenzene	460-00-4	65-135%	84%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**OF2-01-sed-00**	**Lab Sample ID:**	**630512**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	17:20	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.3	1.3	U
Chloromethane	74-87-3	1.3	1.3	U
Vinyl Chloride	75-01-4	1.3	1.3	U
Bromomethane	74-83-9	1.3	1.3	U
Chloroethane	75-00-3	1.3	1.3	U
Trichlorofluoromethane	75-69-4	1.3	1.3	U
1,1-Dichloroethene	75-35-4	1.3	1.3	U
Methylene chloride	75-09-2	6.6	6.6	U
trans-1,2-Dichloroethene	156-60-5	1.3	1.3	U
1,1-Dichloroethane	75-34-3	1.3	1.3	U
cis-1,2-Dichloroethene	156-59-2	1.3	1.3	U
Bromochloromethane	74-97-5	1.3	1.3	U
Chloroform	67-66-3	1.3	1.3	U
2,2-Dichloropropane	594-20-7	1.3	1.3	U
1,2-Dichloroethane	107-06-2	1.3	1.3	U
1,1,1-Trichloroethane	71-55-6	1.3	1.3	U
1,1-Dichloropropene	563-58-6	1.3	1.3	U
Carbon Tetrachloride	56-23-5	1.3	1.3	U
Benzene	71-43-2	1.3	1.3	U
Dibromomethane	74-95-3	1.3	1.3	U
1,2-Dichloropropane	78-87-5	1.3	1.3	U
Trichloroethene	79-01-6	1.3	1.3	U
Bromodichloromethane	75-27-4	1.3	1.3	U
cis-1,3-Dichloropropene	10061-01-5	1.3	1.3	U
trans-1,3-Dichloropropene	10061-02-6	1.3	1.3	U
1,1,2-Trichloroethane	79-00-5	1.3	1.3	U
Toluene	108-88-3	1.3	1.3	U
1,3-Dichloropropane	142-28-9	1.3	1.3	U
Dibromochloromethane	124-48-1	1.3	1.3	U
1,2-Dibromoethane	106-93-4	1.3	1.3	U
Tetrachloroethene	127-18-4	1.3	1.3	U
1,1,1,2-Tetrachloroethane	630-20-6	1.3	1.3	U
Chlorobenzene	108-90-7	1.3	1.3	U
Ethylbenzene	100-41-4	1.3	1.3	U
m,p-Xylenes	1330-20-7	1.3	1.3	U
Bromoform	75-25-2	1.3	1.3	U
Styrene	100-42-5	1.3	1.3	U
1,1,2,2-Tetrachloroethane	79-34-5	1.3	1.3	U
o-Xylene	95-47-6	1.3	1.3	U
1,2,3-Trichloropropane	96-18-4	1.3	1.3	U
Isopropylbenzene	98-82-8	1.3	1.3	U
Bromobenzene	108-86-1	1.3	1.3	U
n-Propylbenzene	103-65-1	1.3	1.3	U
2-Chlorotoluene	95-49-8	1.3	1.3	U
4-Chlorotoluene	106-43-4	1.3	1.3	U

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Client Information		Lab Information	
Client Sample ID:	**OF2-01-sed-00**	**Lab Sample ID:**	**630512**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	Peter Pellegrin	Date Received:	10/17/2001
Date Collected:	10/16/2001	Date Analyzed:	10/24/2001
Time Collected:	17:20	Dilution Factor:	1
Type:	Grab	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	[illegible]

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.3	1.3	U
tert-Butylbenzene	98-06-6	1.3	1.3	U
1,2,4-Trimethylbenzene	95-63-6	1.3	1.3	U
sec-Butylbenzene	135-98-8	1.3	1.3	U
1,3-Dichlorobenzene	541-73-1	1.3	1.3	U
1,4-Dichlorobenzene	106-46-7	1.3	1.3	U
p-Isopropyltoluene	99-87-6	1.3	1.3	U
1,2-Dichlorobenzene	95-50-1	1.3	1.3	U
n-Butylbenzene	104-51-8	1.3	1.3	U
1,2-Dibromo-3-chloropropane	96-12-8	1.3	1.3	U
1,2,4-Trichlorobenzene	120-82-1	1.3	1.3	U
Napthalene	91-20-3	1.3	1.3	U
Hexachlorobutadiene	87-68-3	1.3	1.3	U
1,2,3-Trichlorobenzene	87-61-6	1.3	1.3	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	90%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	88%	SS
Toluene-d8	2037-26-5	65-135%	96%	SS
p-Bromofluorobenzene	460-00-4	65-135%	94%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**METHOD BLANK**	**Lab Sample ID:**	**SB1-1024**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	NA	Date Received:	NA
Date Collected:	NA	Date Analyzed:	10/24/2001
Time Collected:	NA	Dilution Factor:	1
Type:	QC	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.0	1.0	U
Chloromethane	74-87-3	1.0	1.0	U
Vinyl Chloride	75-01-4	1.0	1.0	U
Bromomethane	74-83-9	1.0	1.0	U
Chloroethane	75-00-3	1.0	1.0	U
Trichlorofluoromethane	75-69-4	1.0	1.0	U
1,1-Dichloroethene	75-35-4	1.0	1.0	U
Methylene chloride	75-09-2	5.0	5.0	U
trans-1,2-Dichloroethene	156-60-5	1.0	1.0	U
1,1-Dichloroethane	75-34-3	1.0	1.0	U
cis-1,2-Dichloroethene	156-59-2	1.0	1.0	U
Bromochloromethane	74-97-5	1.0	1.0	U
Chloroform	67-66-3	1.0	1.0	U
2,2-Dichloropropane	594-20-7	1.0	1.0	U
1,2-Dichloroethane	107-06-2	1.0	1.0	U
1,1,1-Trichloroethane	71-55-6	1.0	1.0	U
1,1-Dichloropropene	563-58-6	1.0	1.0	U
Carbon Tetrachloride	56-23-5	1.0	1.0	U
Benzene	71-43-2	1.0	1.0	U
Dibromomethane	74-95-3	1.0	1.0	U
1,2-Dichloropropane	78-87-5	1.0	1.0	U
Trichloroethene	79-01-6	1.0	1.0	U
Bromodichloromethane	75-27-4	1.0	1.0	U
cis-1,3-Dichloropropene	10061-01-5	1.0	1.0	U
trans-1,3-Dichloropropene	10061-02-6	1.0	1.0	U
1,1,2-Trichloroethane	79-00-5	1.0	1.0	U
Toluene	108-88-3	1.0	1.0	U
1,3-Dichloropropane	142-28-9	1.0	1.0	U
Dibromochloromethane	124-48-1	1.0	1.0	U
1,2-Dibromoethane	106-93-4	1.0	1.0	U
Tetrachloroethene	127-18-4	1.0	1.0	U
1,1,1,2-Tetrachloroethane	630-20-6	1.0	1.0	U
Chlorobenzene	108-90-7	1.0	1.0	U
Ethylbenzene	100-41-4	1.0	1.0	U
m,p-Xylenes	1330-20-7	1.0	1.0	U
Bromoform	75-25-2	1.0	1.0	U
Styrene	100-42-5	1.0	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	1.0	1.0	U
o-Xylene	95-47-6	1.0	1.0	U
1,2,3-Trichloropropane	96-18-4	1.0	1.0	U
Isopropylbenzene	98-82-8	1.0	1.0	U
Bromobenzene	108-86-1	1.0	1.0	U
n-Propylbenzene	103-65-1	1.0	1.0	U
2-Chlorotoluene	95-49-8	1.0	1.0	U
4-Chlorotoluene	106-43-4	1.0	1.0	U

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Client Information		Lab Information	
Client Sample ID:	**METHOD BLANK**	**Lab Sample ID:**	**SB1-1024**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	NA	Date Received:	NA
Date Collected:	NA	Date Analyzed:	10/24/2001
Time Collected:	NA	Dilution Factor:	1
Type:	QC	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.0	1.0	U
tert-Butylbenzene	98-06-6	1.0	1.0	U
1,2,4-Trimethylbenzene	95-63-6	1.0	1.0	U
sec-Butylbenzene	135-98-8	1.0	1.0	U
1,3-Dichlorobenzene	541-73-1	1.0	1.0	U
1,4-Dichlorobenzene	106-46-7	1.0	1.0	U
p-Isopropyltoluene	99-87-6	1.0	1.0	U
1,2-Dichlorobenzene	95-50-1	1.0	1.0	U
n-Butylbenzene	104-51-8	1.0	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	1.0	1.0	U
1,2,4-Trichlorobenzene	120-82-1	1.0	1.0	U
Napthalene	91-20-3	1.0	1.0	U
Hexachlorobutadiene	87-68-3	1.0	1.0	U
1,2,3-Trichlorobenzene	87-61-6	1.0	1.0	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	90%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	88%	SS
Toluene-d8	2037-26-5	65-135%	99%	SS
p-Bromofluorobenzene	460-00-4	65-135%	96%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information		Lab Information	
Client Sample ID:	**METHOD BLANK**	**Lab Sample ID:**	**SB1-1030**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	NA	Date Received:	NA
Date Collected:	NA	Date Analyzed:	10/30/2001
Time Collected:	NA	Dilution Factor:	1
Type:	QC	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	DAH

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
Dichlorodifluoromethane	75-71-8	1.0	1.0	U
Chloromethane	74-87-3	1.0	1.0	U
Vinyl Chloride	75-01-4	1.0	1.0	U
Bromomethane	74-83-9	1.0	1.0	U
Chloroethane	75-00-3	1.0	1.0	U
Trichlorofluoromethane	75-69-4	1.0	1.0	U
1,1-Dichloroethene	75-35-4	1.0	1.0	U
Methylene chloride	75-09-2	5.0	5.0	U
trans-1,2-Dichloroethene	156-60-5	1.0	1.0	U
1,1-Dichloroethane	75-34-3	1.0	1.0	U
cis-1,2-Dichloroethene	156-59-2	1.0	1.0	U
Bromochloromethane	74-97-5	1.0	1.0	U
Chloroform	67-66-3	1.0	1.0	U
2,2-Dichloropropane	594-20-7	1.0	1.0	U
1,2-Dichloroethane	107-06-2	1.0	1.0	U
1,1,1-Trichloroethane	71-55-6	1.0	1.0	U
1,1-Dichloropropene	563-58-6	1.0	1.0	U
Carbon Tetrachloride	56-23-5	1.0	1.0	U
Benzene	71-43-2	1.0	1.0	U
Dibromomethane	74-95-3	1.0	1.0	U
1,2-Dichloropropane	78-87-5	1.0	1.0	U
Trichloroethene	79-01-6	1.0	1.0	U
Bromodichloromethane	75-27-4	1.0	1.0	U
cis-1,3-Dichloropropene	10061-01-5	1.0	1.0	U
trans-1,3-Dichloropropene	10061-02-6	1.0	1.0	U
1,1,2-Trichloroethane	79-00-5	1.0	1.0	U
Toluene	108-88-3	1.0	1.0	U
1,3-Dichloropropane	142-28-9	1.0	1.0	U
Dibromochloromethane	124-48-1	1.0	1.0	U
1,2-Dibromoethane	106-93-4	1.0	1.0	U
Tetrachloroethene	127-18-4	1.0	1.0	U
1,1,1,2-Tetrachloroethane	630-20-6	1.0	1.0	U
Chlorobenzene	108-90-7	1.0	1.0	U
Ethylbenzene	100-41-4	1.0	1.0	U
m,p-Xylenes	1330-20-7	1.0	1.0	U
Bromoform	75-25-2	1.0	1.0	U
Styrene	100-42-5	1.0	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	1.0	1.0	U
o-Xylene	95-47-6	1.0	1.0	U
1,2,3-Trichloropropane	96-18-4	1.0	1.0	U
Isopropylbenzene	98-82-8	1.0	1.0	U
Bromobenzene	108-86-1	1.0	1.0	U
n-Propylbenzene	103-65-1	1.0	1.0	U
2-Chlorotoluene	95-49-8	1.0	1.0	U
4-Chlorotoluene	106-43-4	1.0	1.0	U

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Client Information		Lab Information	
Client Sample ID:	**METHOD BLANK**	**Lab Sample ID:**	**SB1-1030**
Project Name:	Linnton Plywood	Analysis Method:	SW 8260B
Project Manager:	Paul LaFrance/PDX	Units:	µg/kg
Sampled By:	NA	Date Received:	NA
Date Collected:	NA	Date Analyzed:	10/30/2001
Time Collected:	NA	Dilution Factor:	1
Type:	QC	Report Revision No.:	0
Matrix:	Soil	Reported By:	MCB
Basis:	Dry Weight	Reviewed By:	

Analyte	CAS #	Reporting Limit	Sample Result	Qualifier
Purgeable Volatiles				
1,3,5-Trimethylbenzene	108-67-8	1.0	1.0	U
tert-Butylbenzene	98-06-6	1.0	1.0	U
1,2,4-Trimethylbenzene	95-63-6	1.0	1.0	U
sec-Butylbenzene	135-98-8	1.0	1.0	U
1,3-Dichlorobenzene	541-73-1	1.0	1.0	U
1,4-Dichlorobenzene	106-46-7	1.0	1.0	U
p-Isopropyltoluene	99-87-6	1.0	1.0	U
1,2-Dichlorobenzene	95-50-1	1.0	1.0	U
n-Butylbenzene	104-51-8	1.0	1.0	U
1,2-Dibromo-3-chloropropane	96-12-8	1.0	1.0	U
1,2,4-Trichlorobenzene	120-82-1	1.0	1.0	U
Napthalene	91-20-3	1.0	1.0	U
Hexachlorobutadiene	87-68-3	1.0	1.0	U
1,2,3-Trichlorobenzene	87-61-6	1.0	1.0	U
		Control Limits	%Rec	
Dibromofluoromethane	1868-53-7	65-135%	98%	SS
1,2-Dichloroethane-d4	17068-07-0	65-135%	97%	SS
Toluene-d8	2037-26-5	65-135%	107%	SS
p-Bromofluorobenzene	460-00-4	65-135%	101%	SS

E=Estimated value above instrument calibration range
J=Estimated value below reporting limit
U=Not detected at specified reporting limit
SS=Surrogate standard

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Client Information	Lab Information
Client Sample ID: OFX-01-sed-00	**Lab Sample ID: 630501**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 12:00	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By: [illegible]
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	2670	2670	U
bis(2-Chloroethyl) ether	2670	2670	U
2-Chlorophenol	2670	2670	U
1,3-Dichlorobenzene	2670	2670	U
1,4-Dichlorobenzene	2670	2670	U
Benzyl Alcohol	5330	5330	U
1,2-Dichlorobenzene	2670	2670	U
o-cresol	2670	2670	U
bis(2-chloroisopropyl) ether	2670	2670	U
m,p-cresol	2670	2670	U
n-Nitrosodi-n-propylamine	2670	2670	U
Hexachloroethane	2670	2670	U
Benzoic Acid	13300	13300	U
Nitrobenzene	2670	2670	U
Isophorone	2670	2670	U
2-Nitrophenol	2670	2670	U
2,4-Dimethylphenol	2670	2670	U
bis(2-Chloroethoxy) methane	2670	2670	U
2,4-Dichlorophenol	2670	2670	U
1,2,4-Trichlorobenzene	2670	2670	U
Naphthalene	2670	2670	U
4-chloroaniline	5330	5330	U
Hexachlorobutadiene	2670	2670	U
4-Chloro-3-methylphenol	5330	5330	U
2-methylnaphthalene	2670	2670	U
Hexachlorocyclopentadiene	2670	2670	U
2,4,6-Trichlorophenol	2670	2670	U
2,4,5-Trichlorophenol	13300	13300	U
2-Chloronaphthalene	2670	2670	U
2-Nitroaniline	13300	13300	U
Dimethyl phthalate	2670	2670	U
Acenaphthylene	2670	2670	U
2,6-Dinitrotoluene	2670	2670	U
Acenaphthene	2670	2670	U
2,4-Dinitrophenol	13300	13300	U
4-Nitrophenol	13300	13300	U
2,4-Dinitrotoluene	2670	2670	U

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Client Information		Lab Information	
Client Sample ID:	**OFX-01-sed-00**	**Lab Sample ID:**	**630501**
Project Name:	Linnton Plywood	Date Rec'd:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Date Analyzed:	11/06/2001
Sampled By:	Peter Pellegrin	Dilution Factor:	1
Sampling Date:	10/16/2001	Analysis Method:	SW8270C
Sampling Time:	12:00	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Soil	Reviewed By:	[illegible]
		Units:	ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	2670	2670	U
Diethyl phthalate	2670	2670	U
3-nitroaniline	13300	13300	U
Fluorene	2670	2670	U
4-Chlorophenyl phenyl ether	2670	2670	U
4-Nitroaniline	13300	13300	U
4,6-Dinitro-2-methylphenol	13300	13300	U
n-Nitrosodiphenylamine	2670	2670	U
4-Bromophenyl phenyl ether	2670	2670	U
Hexachlorobenzene	2670	2670	U
Pentachlorophenol	13300	13300	U
Phenanthrene	2670	2670	U
Anthracene	2670	2670	U
Carbazole	2670	2670	U
Di-n-butyl phthalate	2670	2670	U
Fluoranthene	2670	2670	U
Pyrene	2670	2670	U
Benzyl butyl phthalate	2670	7070	
Benzo(a)anthracene	2670	2670	U
3,3'-Dichlorobenzidine	5330	5330	U
Chrysene	2670	2670	U
bis(2-Ethylhexyl) phthalate	2667	2667	U
Di-n-octylphthalate	2667	2667	U
Benzo(b)fluoranthene	2667	2667	U
Benzo(k)fluoranthene	2667	2667	U
Benzo(a)pyrene	2667	2667	U
Indeno(1,2,3-c,d)pyrene	2667	2667	U
Dibenz(a,h)anthracene	2667	2667	U
Benzo(g,h,i)perylene	2667	2667	U

Surrogate	%Recovery	Range
2-Fluorophenol	59%	21 - 115
Phenol-d5	63%	5 - 115
Nitrobenzene-d5	96%	35 - 114
2-Fluorobiphenyl	98%	43 - 116
2,4,6-Tribromophenol	94%	5 - 123
Terphenyl-d14	114%	33 - 141

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Client Information	Lab Information
Client Sample ID: OF6-01-sed-00	**Lab Sample ID: 630502**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 13:00	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By:
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	1940	1940	U
bis(2-Chloroethyl) ether	1940	1940	U
2-Chlorophenol	1940	1940	U
1,3-Dichlorobenzene	1940	1940	U
1,4-Dichlorobenzene	1940	1940	U
Benzyl Alcohol	3880	3880	U
1,2-Dichlorobenzene	1940	1940	U
o-cresol	1940	1940	U
bis(2-chloroisopropyl) ether	1940	1940	U
m,p-cresol	1940	1940	U
n-Nitrosodi-n-propylamine	1940	1940	U
Hexachloroethane	1940	1940	U
Benzoic Acid	9710	9710	U
Nitrobenzene	1940	1940	U
Isophorone	1940	1940	U
2-Nitrophenol	1940	1940	U
2,4-Dimethylphenol	1940	1940	U
bis(2-Chloroethoxy) methane	1940	1940	U
2,4-Dichlorophenol	1940	1940	U
1,2,4-Trichlorobenzene	1940	1940	U
Naphthalene	1940	1940	U
4-chloroaniline	3880	3880	U
Hexachlorobutadiene	1940	1940	U
4-Chloro-3-methylphenol	3880	3880	U
2-methylnaphthalene	1940	1940	U
Hexachlorocyclopentadiene	1940	1940	U
2,4,6-Trichlorophenol	1940	1940	U
2,4,5-Trichlorophenol	9710	9710	U
2-Chloronaphthalene	1940	1940	U
2-Nitroaniline	9710	9710	U
Dimethyl phthalate	1940	1940	U
Acenaphthylene	1940	1940	U
2,6-Dinitrotoluene	1940	1940	U
Acenaphthene	1940	1940	U
2,4-Dinitrophenol	9710	9710	U
4-Nitrophenol	9710	9710	U
2,4-Dinitrotoluene	1940	1940	U

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Client Information		Lab Information	
Client Sample ID:	**OF6-01-sed-00**	**Lab Sample ID:**	**630502**
Project Name:	Linnton Plywood	Date Rec'd:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Date Analyzed:	11/06/2001
Sampled By:	Peter Pellegrin	Dilution Factor:	1
Sampling Date:	10/16/2001	Analysis Method:	SW8270C
Sampling Time:	13:00	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Soil	Reviewed By:	
		Units:	ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	1940	1940	U
Diethyl phthalate	1940	1940	U
3-nitroaniline	9710	9710	U
Fluorene	1940	1940	U
4-Chlorophenyl phenyl ether	1940	1940	U
4-Nitroaniline	9710	9710	U
4,6-Dinitro-2-methylphenol	9710	9710	U
n-Nitrosodiphenylamine	1940	1940	U
4-Bromophenyl phenyl ether	1940	1940	U
Hexachlorobenzene	1940	1940	U
Pentachlorophenol	9710	9706	U
Phenanthrene	1940	20600	
Anthracene	1940	3370	
Carbazole	1940	1940	U
Di-n-butyl phthalate	1940	1940	U
Fluoranthene	1940	12700	
Pyrene	1940	15600	
Benzyl butyl phthalate	1940	1940	U
Benzo(a)anthracene	1940	3880	
3,3'-Dichlorobenzidine	3880	3880	U
Chrysene	1940	4980	
bis(2-Ethylhexyl) phthalate	1940	1940	U
Di-n-octylphthalate	1940	1940	U
Benzo(b)fluoranthene	1940	2080	
Benzo(k)fluoranthene	1940	1940	U
Benzo(a)pyrene	1940	1940	U
Indeno(1,2,3-c,d)pyrene	1940	1940	U
Dibenz(a,h)anthracene	1940	1940	U
Benzo(g,h,i)perylene	1940	1940	U

Surrogate	%Recovery	Range
2-Fluorophenol	88%	21 - 115
Phenol-d5	78%	5 - 115
Nitrobenzene-d5	111%	35 - 114
2-Fluorobiphenyl	96%	43 - 116
2,4,6-Tribromophenol	92%	5 - 123
Terphenyl-d14	109%	33 - 141

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Client Information	Lab Information
Client Sample ID: AUR-01-sur-00	**Lab Sample ID: 630503**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 13:45	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By: [illegible]
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	2160	2160	U
bis(2-Chloroethyl) ether	2160	2160	U
2-Chlorophenol	2160	2160	U
1,3-Dichlorobenzene	2160	2160	U
1,4-Dichlorobenzene	2160	2160	U
Benzyl Alcohol	4330	4330	U
1,2-Dichlorobenzene	2160	2160	U
o-cresol	2160	2160	U
bis(2-chloroisopropyl) ether	2160	2160	U
m,p-cresol	2160	2160	U
n-Nitrosodi-n-propylamine	2160	2160	U
Hexachloroethane	2160	2160	U
Benzoic Acid	10800	10800	U
Nitrobenzene	2160	2160	U
Isophorone	2160	2160	U
2-Nitrophenol	2160	2160	U
2,4-Dimethylphenol	2160	2160	U
bis(2-Chloroethoxy) methane	2160	2160	U
2,4-Dichlorophenol	2160	2160	U
1,2,4-Trichlorobenzene	2160	2160	U
Naphthalene	2160	2160	U
4-chloroaniline	4330	4330	U
Hexachlorobutadiene	2160	2160	U
4-Chloro-3-methylphenol	4330	4330	U
2-methylnaphthalene	2160	2160	U
Hexachlorocyclopentadiene	2160	2160	U
2,4,6-Trichlorophenol	2160	2160	U
2,4,5-Trichlorophenol	10800	10800	U
2-Chloronaphthalene	2160	2160	U
2-Nitroaniline	10800	10800	U
Dimethyl phthalate	2160	2160	U
Acenaphthylene	2160	2160	U
2,6-Dinitrotoluene	2160	2160	U
Acenaphthene	2160	2160	U
2,4-Dinitrophenol	10800	10800	U
4-Nitrophenol	10800	10800	U
2,4-Dinitrotoluene	2160	2160	U

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Client Information	Lab Information
Client Sample ID: AUR-01-sur-00	**Lab Sample ID: 630503**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 13:45	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By:
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	2160	2160	U
Diethyl phthalate	2160	2160	U
3-nitroaniline	10800	10800	U
Fluorene	2160	2160	U
4-Chlorophenyl phenyl ether	2160	2160	U
4-Nitroaniline	10800	10800	U
4,6-Dinitro-2-methylphenol	10800	10800	U
n-Nitrosodiphenylamine	2160	2160	U
4-Bromophenyl phenyl ether	2160	2160	U
Hexachlorobenzene	2160	2160	U
Pentachlorophenol	10800	10800	U
Phenanthrene	2160	2160	U
Anthracene	2160	2160	U
Carbazole	2160	2160	U
Di-n-butyl phthalate	2160	2160	U
Fluoranthene	2160	2160	U
Pyrene	2160	2160	U
Benzyl butyl phthalate	2160	2160	U
Benzo(a)anthracene	2160	2160	U
3,3'-Dichlorobenzidine	4330	4330	U
Chrysene	2160	2160	U
bis(2-Ethylhexyl) phthalate	2160	2160	U
Di-n-octylphthalate	2160	2160	U
Benzo(b)fluoranthene	2160	2160	U
Benzo(k)fluoranthene	2160	2160	U
Benzo(a)pyrene	2160	2160	U
Indeno(1,2,3-c,d)pyrene	2160	2160	U
Dibenz(a,h)anthracene	2160	2160	U
Benzo(g,h,i)perylene	2160	2160	U

Surrogate	%Recovery	Range
2-Fluorophenol	64%	21 - 115
Phenol-d5	65%	5 - 115
Nitrobenzene-d5	87%	35 - 114
2-Fluorobiphenyl	83%	43 - 116
2,4,6-Tribromophenol	65%	5 - 123
Terphenyl-d14	98%	33 - 141

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Client Information	Lab Information
Client Sample ID: STC-01-sur-00	**Lab Sample ID: 630504**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 14:30	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By: [illegible]
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	1750	1750	U
bis(2-Chloroethyl) ether	1750	1750	U
2-Chlorophenol	1750	1750	U
1,3-Dichlorobenzene	1750	1750	U
1,4-Dichlorobenzene	1750	1750	U
Benzyl Alcohol	3500	3500	U
1,2-Dichlorobenzene	1750	1750	U
o-cresol	1750	1750	U
bis(2-chloroisopropyl) ether	1750	1750	U
m,p-cresol	1750	1750	U
n-Nitrosodi-n-propylamine	1750	1750	U
Hexachloroethane	1750	1750	U
Benzoic Acid	8740	8740	U
Nitrobenzene	1750	1750	U
Isophorone	1750	1750	U
2-Nitrophenol	1750	1750	U
2,4-Dimethylphenol	1750	1750	U
bis(2-Chloroethoxy) methane	1750	1750	U
2,4-Dichlorophenol	1750	1750	U
1,2,4-Trichlorobenzene	1750	1750	U
Naphthalene	1750	1750	U
4-chloroaniline	3500	3500	U
Hexachlorobutadiene	1750	1750	U
4-Chloro-3-methylphenol	3500	3500	U
2-methylnaphthalene	1750	1750	U
Hexachlorocyclopentadiene	1750	1750	U
2,4,6-Trichlorophenol	1750	1750	U
2,4,5-Trichlorophenol	8740	8740	U
2-Chloronaphthalene	1750	1750	U
2-Nitroaniline	8740	8740	U
Dimethyl phthalate	1750	1750	U
Acenaphthylene	1750	1750	U
2,6-Dinitrotoluene	1750	1750	U
Acenaphthene	1750	1750	U
2,4-Dinitrophenol	8740	8740	U
4-Nitrophenol	8740	8740	U
2,4-Dinitrotoluene	1750	1750	U

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Client Information	Lab Information
Client Sample ID: STC-01-sur-00	**Lab Sample ID: 630504**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 14:30	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By: ~~DAA~~
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	1750	1750	U
Diethyl phthalate	1750	1750	U
3-nitroaniline	8740	8740	U
Fluorene	1750	1750	U
4-Chlorophenyl phenyl ether	1750	1750	U
4-Nitroaniline	8740	8740	U
4,6-Dinitro-2-methylphenol	8740	8740	U
n-Nitrosodiphenylamine	1750	1750	U
4-Bromophenyl phenyl ether	1750	1750	U
Hexachlorobenzene	1750	1750	U
Pentachlorophenol	8740	8740	U
Phenanthrene	1750	1750	U
Anthracene	1750	1750	U
Carbazole	1750	1750	U
Di-n-butyl phthalate	1750	1750	U
Fluoranthene	1750	1750	U
Pyrene	1750	1750	U
Benzyl butyl phthalate	1750	1750	U
Benzo(a)anthracene	1750	1750	U
3,3'-Dichlorobenzidine	3500	3500	U
Chrysene	1750	1750	U
bis(2-Ethylhexyl) phthalate	1750	1750	U
Di-n-octylphthalate	1750	1750	U
Benzo(b)fluoranthene	1750	1750	U
Benzo(k)fluoranthene	1750	1750	U
Benzo(a)pyrene	1750	1750	U
Indeno(1,2,3-c,d)pyrene	1750	1750	U
Dibenz(a,h)anthracene	1750	1750	U
Benzo(g,h,i)perylene	1750	1750	U

Surrogate	%Recovery	Range
2-Fluorophenol	57%	21 - 115
Phenol-d5	51%	5 - 115
Nitrobenzene-d5	76%	35 - 114
2-Fluorobiphenyl	76%	43 - 116
2,4,6-Tribromophenol	80%	5 - 123
Terphenyl-d14	87%	33 - 141

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Client Information	Lab Information
Client Sample ID: 05W-01-sur-00	**Lab Sample ID: 630505**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 15:00	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By: [illegible]
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	2170	2170	U
bis(2-Chloroethyl) ether	2170	2170	U
2-Chlorophenol	2170	2170	U
1,3-Dichlorobenzene	2170	2170	U
1,4-Dichlorobenzene	2170	2170	U
Benzyl Alcohol	4350	4350	U
1,2-Dichlorobenzene	2170	2170	U
o-cresol	2170	2170	U
bis(2-chloroisopropyl) ether	2170	2170	U
m,p-cresol	2170	2170	U
n-Nitrosodi-n-propylamine	2170	2170	U
Hexachloroethane	2170	2170	U
Benzoic Acid	10900	10900	U
Nitrobenzene	2170	2170	U
Isophorone	2170	2170	U
2-Nitrophenol	2170	2170	U
2,4-Dimethylphenol	2170	2170	U
bis(2-Chloroethoxy) methane	2170	2170	U
2,4-Dichlorophenol	2170	2170	U
1,2,4-Trichlorobenzene	2170	2170	U
Naphthalene	2170	2170	U
4-chloroaniline	4350	4350	U
Hexachlorobutadiene	2170	2170	U
4-Chloro-3-methylphenol	4350	4350	U
2-methylnaphthalene	2170	2170	U
Hexachlorocyclopentadiene	2170	2170	U
2,4,6-Trichlorophenol	2170	2170	U
2,4,5-Trichlorophenol	10900	10900	U
2-Chloronaphthalene	2170	2170	U
2-Nitroaniline	10900	10900	U
Dimethyl phthalate	2170	2170	U
Acenaphthylene	2170	2170	U
2,6-Dinitrotoluene	2170	2170	U
Acenaphthene	2170	2170	U
2,4-Dinitrophenol	10900	10900	U
4-Nitrophenol	10900	10900	U
2,4-Dinitrotoluene	2170	2170	U

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Client Information	Lab Information
Client Sample ID: 05W-01-sur-00	**Lab Sample ID: 630505**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 15:00	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By:
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	2170	2170	U
Diethyl phthalate	2170	2170	U
3-nitroaniline	10900	10900	U
Fluorene	2170	2170	U
4-Chlorophenyl phenyl ether	2170	2170	U
4-Nitroaniline	10900	10900	U
4,6-Dinitro-2-methylphenol	10900	10900	U
n-Nitrosodiphenylamine	2170	2170	U
4-Bromophenyl phenyl ether	2170	2170	U
Hexachlorobenzene	2170	2170	U
Pentachlorophenol	10900	10900	U
Phenanthrene	2170	2170	U
Anthracene	2170	2170	U
Carbazole	2170	2170	U
Di-n-butyl phthalate	2170	2170	U
Fluoranthene	2170	2170	U
Pyrene	2170	2170	U
Benzyl butyl phthalate	2170	2170	U
Benzo(a)anthracene	2170	2170	U
3,3'-Dichlorobenzidine	4350	4350	U
Chrysene	2170	2170	U
bis(2-Ethylhexyl) phthalate	2170	6330	
Di-n-octylphthalate	2170	2170	U
Benzo(b)fluoranthene	2170	2170	U
Benzo(k)fluoranthene	2170	2170	U
Benzo(a)pyrene	2170	2170	U
Indeno(1,2,3-c,d)pyrene	2170	2170	U
Dibenz(a,h)anthracene	2170	2170	U
Benzo(g,h,i)perylene	2170	2170	U

Surrogate	%Recovery	Range
2-Fluorophenol	26%	21 - 115
Phenol-d5	30%	5 - 115
Nitrobenzene-d5	105%	35 - 114
2-Fluorobiphenyl	84%	43 - 116
2,4,6-Tribromophenol	77%	5 - 123
Terphenyl-d14	77%	33 - 141

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Client Information	Lab Information
Client Sample ID: 05E-01-sur-00	**Lab Sample ID: 630506**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 15:20	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By:
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	2840	2840	U
bis(2-Chloroethyl) ether	2840	2840	U
2-Chlorophenol	2840	2840	U
1,3-Dichlorobenzene	2840	2840	U
1,4-Dichlorobenzene	2840	2840	U
Benzyl Alcohol	5680	5680	U
1,2-Dichlorobenzene	2840	2840	U
o-cresol	2840	2840	U
bis(2-chloroisopropyl) ether	2840	2840	U
m,p-cresol	2840	2840	U
n-Nitrosodi-n-propylamine	2840	2840	U
Hexachloroethane	2840	2840	U
Benzoic Acid	14200	14200	U
Nitrobenzene	2840	2840	U
Isophorone	2840	2840	U
2-Nitrophenol	2840	2840	U
2,4-Dimethylphenol	2840	2840	U
bis(2-Chloroethoxy) methane	2840	2840	U
2,4-Dichlorophenol	2840	2840	U
1,2,4-Trichlorobenzene	2840	2840	U
Naphthalene	2840	2840	U
4-chloroaniline	5680	5680	U
Hexachlorobutadiene	2840	2840	U
4-Chloro-3-methylphenol	5680	5680	U
2-methylnaphthalene	2840	2840	U
Hexachlorocyclopentadiene	2840	2840	U
2,4,6-Trichlorophenol	2840	2840	U
2,4,5-Trichlorophenol	14200	14200	U
2-Chloronaphthalene	2840	2840	U
2-Nitroaniline	14200	14200	U
Dimethyl phthalate	2840	2840	U
Acenaphthylene	2840	2840	U
2,6-Dinitrotoluene	2840	2840	U
Acenaphthene	2840	2840	U
2,4-Dinitrophenol	14200	14200	U
4-Nitrophenol	14200	14200	U
2,4-Dinitrotoluene	2840	2840	U

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Client Information	Lab Information
Client Sample ID: 05E-01-sur-00	**Lab Sample ID: 630506**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 15:20	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By: DAH
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	2840	2840	U
Diethyl phthalate	2840	2840	U
3-nitroaniline	14200	14200	U
Fluorene	2840	2840	U
4-Chlorophenyl phenyl ether	2840	2840	U
4-Nitroaniline	14200	14200	U
4,6-Dinitro-2-methylphenol	14200	14200	U
n-Nitrosodiphenylamine	2840	2840	U
4-Bromophenyl phenyl ether	2840	2840	U
Hexachlorobenzene	2840	2840	U
Pentachlorophenol	14200	14200	U
Phenanthrene	2840	2840	U
Anthracene	2840	2840	U
Carbazole	2840	2840	U
Di-n-butyl phthalate	2840	2840	U
Fluoranthene	2840	2840	U
Pyrene	2840	2840	U
Benzyl butyl phthalate	2840	2840	U
Benzo(a)anthracene	2840	2840	U
3,3'-Dichlorobenzidine	5680	5680	U
Chrysene	2840	2840	U
bis(2-Ethylhexyl) phthalate	2840	2840	U
Di-n-octylphthalate	2840	2840	U
Benzo(b)fluoranthene	2840	2840	U
Benzo(k)fluoranthene	2840	2840	U
Benzo(a)pyrene	2840	2840	U
Indeno(1,2,3-c,d)pyrene	2840	2840	U
Dibenz(a,h)anthracene	2840	2840	U
Benzo(g,h,i)perylene	2840	2840	U

Surrogate	%Recovery	Range
2-Fluorophenol	65%	21 - 115
Phenol-d5	59%	5 - 115
Nitrobenzene-d5	90%	35 - 114
2-Fluorobiphenyl	81%	43 - 116
2,4,6-Tribromophenol	82%	5 - 123
Terphenyl-d14	86%	33 - 141

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Client Information	Lab Information
Client Sample ID: 05W-02-sub-02	**Lab Sample ID: 630507**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 15:30	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By: [illegible]
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	2040	2040	U
bis(2-Chloroethyl) ether	2040	2040	U
2-Chlorophenol	2040	2040	U
1,3-Dichlorobenzene	2040	2040	U
1,4-Dichlorobenzene	2040	2040	U
Benzyl Alcohol	4080	4080	U
1,2-Dichlorobenzene	2040	2040	U
o-cresol	2040	2040	U
bis(2-chloroisopropyl) ether	2040	2040	U
m,p-cresol	2040	2040	U
n-Nitrosodi-n-propylamine	2040	2040	U
Hexachloroethane	2040	2040	U
Benzoic Acid	10200	10200	U
Nitrobenzene	2040	2040	U
Isophorone	2040	2040	U
2-Nitrophenol	2040	2040	U
2,4-Dimethylphenol	2040	2040	U
bis(2-Chloroethoxy) methane	2040	2040	U
2,4-Dichlorophenol	2040	2040	U
1,2,4-Trichlorobenzene	2040	2040	U
Naphthalene	2040	2040	U
4-chloroaniline	4080	4080	U
Hexachlorobutadiene	2040	2040	U
4-Chloro-3-methylphenol	4080	4080	U
2-methylnaphthalene	2040	2040	U
Hexachlorocyclopentadiene	2040	2040	U
2,4,6-Trichlorophenol	2040	2040	U
2,4,5-Trichlorophenol	10200	10200	U
2-Chloronaphthalene	2040	2040	U
2-Nitroaniline	10200	10200	U
Dimethyl phthalate	2040	2040	U
Acenaphthylene	2040	2040	U
2,6-Dinitrotoluene	2040	2040	U
Acenaphthene	2040	2040	U
2,4-Dinitrophenol	10200	10200	U
4-Nitrophenol	10200	10200	U
2,4-Dinitrotoluene	2040	2040	U

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Client Information	Lab Information
Client Sample ID: 05W-02-sub-02	**Lab Sample ID: 630507**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 15:30	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By:
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	2040	2040	U
Diethyl phthalate	2040	2040	U
3-nitroaniline	10200	10200	U
Fluorene	2040	2040	U
4-Chlorophenyl phenyl ether	2040	2040	U
4-Nitroaniline	10200	10200	U
4,6-Dinitro-2-methylphenol	10200	10200	U
n-Nitrosodiphenylamine	2040	2040	U
4-Bromophenyl phenyl ether	2040	2040	U
Hexachlorobenzene	2040	2040	U
Pentachlorophenol	10200	10200	U
Phenanthrene	2040	2040	U
Anthracene	2040	2040	U
Carbazole	2040	2040	U
Di-n-butyl phthalate	2040	2040	U
Fluoranthene	2040	2040	U
Pyrene	2040	2040	U
Benzyl butyl phthalate	2040	2040	U
Benzo(a)anthracene	2040	2040	U
3,3'-Dichlorobenzidine	4080	4080	U
Chrysene	2040	2040	U
bis(2-Ethylhexyl) phthalate	2040	2220	
Di-n-octylphthalate	2040	2040	U
Benzo(b)fluoranthene	2040	2040	U
Benzo(k)fluoranthene	2040	2040	U
Benzo(a)pyrene	2040	2040	U
Indeno(1,2,3-c,d)pyrene	2040	2040	U
Dibenz(a,h)anthracene	2040	2040	U
Benzo(g,h,i)perylene	2040	2040	U

Surrogate	%Recovery	Range
2-Fluorophenol	37%	21 - 115
Phenol-d5	34%	5 - 115
Nitrobenzene-d5	71%	35 - 114
2-Fluorobiphenyl	80%	43 - 116
2,4,6-Tribromophenol	73%	5 - 123
Terphenyl-d14	79%	33 - 141

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Client Information		Lab Information	
Client Sample ID:	**05E-02-sub-02**	**Lab Sample ID:**	**630508**
Project Name:	Linnton Plywood	Date Rec'd:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Date Analyzed:	11/06/2001
Sampled By:	Peter Pellegrin	Dilution Factor:	1
Sampling Date:	10/16/2001	Analysis Method:	SW8270C
Sampling Time:	15:45	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Soil	Reviewed By:	[illegible]
		Units:	ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	2850	2850	U
bis(2-Chloroethyl) ether	2850	2850	U
2-Chlorophenol	2850	2850	U
1,3-Dichlorobenzene	2850	2850	U
1,4-Dichlorobenzene	2850	2850	U
Benzyl Alcohol	5700	5700	U
1,2-Dichlorobenzene	2850	2850	U
o-cresol	2850	2850	U
bis(2-chloroisopropyl) ether	2850	2850	U
m,p-cresol	2850	2850	U
n-Nitrosodi-n-propylamine	2850	2850	U
Hexachloroethane	2850	2850	U
Benzoic Acid	14200	14200	U
Nitrobenzene	2850	2850	U
Isophorone	2850	2850	U
2-Nitrophenol	2850	2850	U
2,4-Dimethylphenol	2850	2850	U
bis(2-Chloroethoxy) methane	2850	2850	U
2,4-Dichlorophenol	2850	2850	U
1,2,4-Trichlorobenzene	2850	2850	U
Naphthalene	2850	2850	U
4-chloroaniline	5699	5699	U
Hexachlorobutadiene	2850	2850	U
4-Chloro-3-methylphenol	5699	5699	U
2-methylnaphthalene	2850	2850	U
Hexachlorocyclopentadiene	2850	2850	U
2,4,6-Trichlorophenol	2850	2850	U
2,4,5-Trichlorophenol	14200	14200	U
2-Chloronaphthalene	2850	2850	U
2-Nitroaniline	14200	14200	U
Dimethyl phthalate	2850	2850	U
Acenaphthylene	2850	2850	U
2,6-Dinitrotoluene	2850	2850	U
Acenaphthene	2850	2850	U
2,4-Dinitrophenol	14200	14200	U
4-Nitrophenol	14200	14200	U
2,4-Dinitrotoluene	2850	2850	U

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Client Information		Lab Information	
Client Sample ID:	**05E-02-sub-02**	**Lab Sample ID:**	**630508**
Project Name:	Linnton Plywood	Date Rec'd:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Date Analyzed:	11/06/2001
Sampled By:	Peter Pellegrin	Dilution Factor:	1
Sampling Date:	10/16/2001	Analysis Method:	SW8270C
Sampling Time:	15:45	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Soil	Reviewed By:	
		Units:	ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	2850	2850	U
Diethyl phthalate	2850	2850	U
3-nitroaniline	14200	14200	U
Fluorene	2850	2850	U
4-Chlorophenyl phenyl ether	2850	2850	U
4-Nitroaniline	14200	14200	U
4,6-Dinitro-2-methylphenol	14200	14200	U
n-Nitrosodiphenylamine	2850	2850	U
4-Bromophenyl phenyl ether	2850	2850	U
Hexachlorobenzene	2850	2850	U
Pentachlorophenol	14200	14200	U
Phenanthrene	2850	2850	U
Anthracene	2850	2850	U
Carbazole	2850	2850	U
Di-n-butyl phthalate	2850	2850	U
Fluoranthene	2850	2850	U
Pyrene	2850	2850	U
Benzyl butyl phthalate	2850	2850	U
Benzo(a)anthracene	2850	2850	U
3,3'-Dichlorobenzidine	5700	5700	U
Chrysene	2850	2850	U
bis(2-Ethylhexyl) phthalate	2850	2850	U
Di-n-octylphthalate	2850	2850	U
Benzo(b)fluoranthene	2850	2850	U
Benzo(k)fluoranthene	2850	2850	U
Benzo(a)pyrene	2850	2850	U
Indeno(1,2,3-c,d)pyrene	2850	2850	U
Dibenz(a,h)anthracene	2850	2850	U
Benzo(g,h,i)perylene	2850	2850	U

Surrogate	%Recovery	Range
2-Fluorophenol	66%	21 - 115
Phenol-d5	32%	5 - 115
Nitrobenzene-d5	63%	35 - 114
2-Fluorobiphenyl	70%	43 - 116
2,4,6-Tribromophenol	64%	5 - 123
Terphenyl-d14	73%	33 - 141

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Client Information	Lab Information
Client Sample ID: MNS-01-sur-00	**Lab Sample ID: 630509**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 16:15	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By: ~~[illegible]~~
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	2810	2810	U
bis(2-Chloroethyl) ether	2810	2810	U
2-Chlorophenol	2810	2810	U
1,3-Dichlorobenzene	2810	2810	U
1,4-Dichlorobenzene	2810	2810	U
Benzyl Alcohol	5620	5620	U
1,2-Dichlorobenzene	2810	2810	U
o-cresol	2810	2810	U
bis(2-chloroisopropyl) ether	2810	2810	U
m,p-cresol	2810	2810	U
n-Nitrosodi-n-propylamine	2810	2810	U
Hexachloroethane	2810	2810	U
Benzoic Acid	14000	14000	U
Nitrobenzene	2810	2810	U
Isophorone	2810	2810	U
2-Nitrophenol	2810	2810	U
2,4-Dimethylphenol	2810	2810	U
bis(2-Chloroethoxy) methane	2810	2810	U
2,4-Dichlorophenol	2810	2810	U
1,2,4-Trichlorobenzene	2810	2810	U
Naphthalene	2810	2810	U
4-chloroaniline	5620	5620	U
Hexachlorobutadiene	2810	2810	U
4-Chloro-3-methylphenol	5620	5620	U
2-methylnaphthalene	2810	2810	U
Hexachlorocyclopentadiene	2810	2810	U
2,4,6-Trichlorophenol	2810	2810	U
2,4,5-Trichlorophenol	14000	14000	U
2-Chloronaphthalene	2810	2810	U
2-Nitroaniline	14000	14000	U
Dimethyl phthalate	2810	2810	U
Acenaphthylene	2810	2810	U
2,6-Dinitrotoluene	2810	2810	U
Acenaphthene	2810	2810	U
2,4-Dinitrophenol	14000	14000	U
4-Nitrophenol	14000	14000	U
2,4-Dinitrotoluene	2810	2810	U

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Client Information		Lab Information	
Client Sample ID:	**MNS-01-sur-00**	**Lab Sample ID:**	**630509**
Project Name:	Linnton Plywood	Date Rec'd:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Date Analyzed:	11/06/2001
Sampled By:	Peter Pellegrin	Dilution Factor:	1
Sampling Date:	10/16/2001	Analysis Method:	SW8270C
Sampling Time:	16:15	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Soil	Reviewed By:	[illegible]
		Units:	ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	2810	2810	U
Diethyl phthalate	2810	2810	U
3-nitroaniline	14000	14000	U
Fluorene	2810	2810	U
4-Chlorophenyl phenyl ether	2810	2810	U
4-Nitroaniline	14000	14000	U
4,6-Dinitro-2-methylphenol	14000	14000	U
n-Nitrosodiphenylamine	2810	2810	U
4-Bromophenyl phenyl ether	2810	2810	U
Hexachlorobenzene	2810	2810	U
Pentachlorophenol	14000	14000	U
Phenanthrene	2810	2810	U
Anthracene	2810	2810	U
Carbazole	2810	2810	U
Di-n-butyl phthalate	2810	2810	U
Fluoranthene	2810	2810	U
Pyrene	2810	2810	U
Benzyl butyl phthalate	2810	2810	U
Benzo(a)anthracene	2810	2810	U
3,3'-Dichlorobenzidine	5620	5620	U
Chrysene	2810	2810	U
bis(2-Ethylhexyl) phthalate	2810	3890	
Di-n-octylphthalate	2810	2810	U
Benzo(b)fluoranthene	2810	2810	U
Benzo(k)fluoranthene	2810	2810	U
Benzo(a)pyrene	2810	2810	U
Indeno(1,2,3-c,d)pyrene	2810	2810	U
Dibenz(a,h)anthracene	2810	2810	U
Benzo(g,h,i)perylene	2810	2810	U

Surrogate	%Recovery	Range
2-Fluorophenol	60%	21 - 115
Phenol-d5	52%	5 - 115
Nitrobenzene-d5	53%	35 - 114
2-Fluorobiphenyl	84%	43 - 116
2,4,6-Tribromophenol	72%	5 - 123
Terphenyl-d14	85%	33 - 141

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Client Information	Lab Information
Client Sample ID: 03A-01-sed-00	**Lab Sample ID: 630510**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 16:35	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By: [illegible]
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	2550	2550	U
bis(2-Chloroethyl) ether	2550	2550	U
2-Chlorophenol	2550	2550	U
1,3-Dichlorobenzene	2550	2550	U
1,4-Dichlorobenzene	2550	2550	U
Benzyl Alcohol	5090	5090	U
1,2-Dichlorobenzene	2550	2550	U
o-cresol	2550	2550	U
bis(2-chloroisopropyl) ether	2550	2550	U
m,p-cresol	2550	2550	U
n-Nitrosodi-n-propylamine	2550	2550	U
Hexachloroethane	2550	2550	U
Benzoic Acid	12700	12700	U
Nitrobenzene	2550	2550	U
Isophorone	2550	2550	U
2-Nitrophenol	2550	2550	U
2,4-Dimethylphenol	2550	2550	U
bis(2-Chloroethoxy) methane	2550	2550	U
2,4-Dichlorophenol	2550	2550	U
1,2,4-Trichlorobenzene	2550	2550	U
Naphthalene	2550	2550	U
4-chloroaniline	5090	5090	U
Hexachlorobutadiene	2550	2550	U
4-Chloro-3-methylphenol	5090	5090	U
2-methylnaphthalene	2550	2550	U
Hexachlorocyclopentadiene	2550	2550	U
2,4,6-Trichlorophenol	2550	2550	U
2,4,5-Trichlorophenol	12700	12700	U
2-Chloronaphthalene	2550	2550	U
2-Nitroaniline	12700	12700	U
Dimethyl phthalate	2550	2550	U
Acenaphthylene	2550	2550	U
2,6-Dinitrotoluene	2550	2550	U
Acenaphthene	2550	2550	U
2,4-Dinitrophenol	12700	12700	U
4-Nitrophenol	12700	12700	U
2,4-Dinitrotoluene	2550	2550	U

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Client Information		Lab Information	
Client Sample ID:	**03A-01-sed-00**	**Lab Sample ID:**	**630510**
Project Name:	Linnton Plywood	Date Rec'd:	10/17/2001
Project Manager:	Paul LaFrance/PDX	Date Analyzed:	11/06/2001
Sampled By:	Peter Pellegrin	Dilution Factor:	1
Sampling Date:	10/16/2001	Analysis Method:	SW8270C
Sampling Time:	16:35	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Soil	Reviewed By:	
		Units:	ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	2550	2550	U
Diethyl phthalate	2550	2550	U
3-nitroaniline	12700	12700	U
Fluorene	2550	2550	U
4-Chlorophenyl phenyl ether	2550	2550	U
4-Nitroaniline	12700	12700	U
4,6-Dinitro-2-methylphenol	12700	12700	U
n-Nitrosodiphenylamine	2550	2550	U
4-Bromophenyl phenyl ether	2550	2550	U
Hexachlorobenzene	2550	2550	U
Pentachlorophenol	12700	12700	U
Phenanthrene	2550	2550	U
Anthracene	2550	2550	U
Carbazole	2550	2550	U
Di-n-butyl phthalate	2550	2550	U
Fluoranthene	2550	2550	U
Pyrene	2550	2550	U
Benzyl butyl phthalate	2550	2550	U
Benzo(a)anthracene	2550	2550	U
3,3'-Dichlorobenzidine	5090	5090	U
Chrysene	2550	2550	U
bis(2-Ethylhexyl) phthalate	2550	2550	U
Di-n-octylphthalate	2550	2550	U
Benzo(b)fluoranthene	2550	2550	U
Benzo(k)fluoranthene	2550	2550	U
Benzo(a)pyrene	2550	2550	U
Indeno(1,2,3-c,d)pyrene	2550	2550	U
Dibenz(a,h)anthracene	2550	2550	U
Benzo(g,h,i)perylene	2550	2550	U

Surrogate	%Recovery	Range
2-Fluorophenol	66%	21 - 115
Phenol-d5	73%	5 - 115
Nitrobenzene-d5	71%	35 - 114
2-Fluorobiphenyl	85%	43 - 116
2,4,6-Tribromophenol	0%	5 - 123
Terphenyl-d14	98%	33 - 141

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Client Information	Lab Information
Client Sample ID: OF3-01-sed-00	**Lab Sample ID: 630511**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 17:00	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By:
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	2630	2630	U
bis(2-Chloroethyl) ether	2630	2630	U
2-Chlorophenol	2630	2630	U
1,3-Dichlorobenzene	2630	2630	U
1,4-Dichlorobenzene	2630	2630	U
Benzyl Alcohol	5260	5260	U
1,2-Dichlorobenzene	2630	2630	U
o-cresol	2630	2630	U
bis(2-chloroisopropyl) ether	2630	2630	U
m,p-cresol	2630	2630	U
n-Nitrosodi-n-propylamine	2630	2630	U
Hexachloroethane	2630	2630	U
Benzoic Acid	13100	13100	U
Nitrobenzene	2630	2630	U
Isophorone	2630	2630	U
2-Nitrophenol	2630	2630	U
2,4-Dimethylphenol	2630	2630	U
bis(2-Chloroethoxy) methane	2630	2630	U
2,4-Dichlorophenol	2630	2630	U
1,2,4-Trichlorobenzene	2630	2630	U
Naphthalene	2630	2630	U
4-chloroaniline	5260	5260	U
Hexachlorobutadiene	2630	2630	U
4-Chloro-3-methylphenol	5260	5260	U
2-methylnaphthalene	2630	2630	U
Hexachlorocyclopentadiene	2630	2630	U
2,4,6-Trichlorophenol	2630	2630	U
2,4,5-Trichlorophenol	13100	13100	U
2-Chloronaphthalene	2630	2630	U
2-Nitroaniline	13100	13100	U
Dimethyl phthalate	2630	2630	U
Acenaphthylene	2630	2630	U
2,6-Dinitrotoluene	2630	2630	U
Acenaphthene	2630	2630	U
2,4-Dinitrophenol	13100	13100	U
4-Nitrophenol	13100	13100	U
2,4-Dinitrotoluene	2630	2630	U

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Client Information	Lab Information
Client Sample ID: OF3-01-sed-00	**Lab Sample ID: 630511**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/06/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 17:00	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By:
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	2630	2630	U
Diethyl phthalate	2630	2630	U
3-nitroaniline	13100	13100	U
Fluorene	2630	2630	U
4-Chlorophenyl phenyl ether	2630	2630	U
4-Nitroaniline	13100	13100	U
4,6-Dinitro-2-methylphenol	13100	13100	U
n-Nitrosodiphenylamine	2630	2630	U
4-Bromophenyl phenyl ether	2630	2630	U
Hexachlorobenzene	2630	2630	U
Pentachlorophenol	13100	13100	U
Phenanthrene	2630	2630	U
Anthracene	2630	2630	U
Carbazole	2630	2630	U
Di-n-butyl phthalate	2630	2630	U
Fluoranthene	2630	2630	U
Pyrene	2630	2630	U
Benzyl butyl phthalate	2630	2630	U
Benzo(a)anthracene	2630	2630	U
3,3'-Dichlorobenzidine	5260	5260	U
Chrysene	2630	2630	U
bis(2-Ethylhexyl) phthalate	2630	2630	U
Di-n-octylphthalate	2630	2630	U
Benzo(b)fluoranthene	2630	2630	U
Benzo(k)fluoranthene	2630	2630	U
Benzo(a)pyrene	2630	2630	U
Indeno(1,2,3-c,d)pyrene	2630	2630	U
Dibenz(a,h)anthracene	2630	2630	U
Benzo(g,h,i)perylene	2630	2630	U

Surrogate	%Recovery	Range
2-Fluorophenol	52%	21 - 115
Phenol-d5	62%	5 - 115
Nitrobenzene-d5	44%	35 - 114
2-Fluorobiphenyl	63%	43 - 116
2,4,6-Tribromophenol	0%	5 - 123
Terphenyl-d14	75%	33 - 141

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Client Information	Lab Information
Client Sample ID: OF2-01-sed-00	**Lab Sample ID: 630512**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/05/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 17:20	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By:
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	2350	2350	U
bis(2-Chloroethyl) ether	2350	2350	U
2-Chlorophenol	2350	2350	U
1,3-Dichlorobenzene	2350	2350	U
1,4-Dichlorobenzene	2350	2350	U
Benzyl Alcohol	4700	4700	U
1,2-Dichlorobenzene	2350	2350	U
o-cresol	2350	2350	U
bis(2-chloroisopropyl) ether	2350	2350	U
m,p-cresol	2350	2350	U
n-Nitrosodi-n-propylamine	2350	2350	U
Hexachloroethane	2350	2350	U
Benzoic Acid	11800	11800	U
Nitrobenzene	2350	2350	U
Isophorone	2350	2350	U
2-Nitrophenol	2350	2350	U
2,4-Dimethylphenol	2350	2350	U
bis(2-Chloroethoxy) methane	2350	2350	U
2,4-Dichlorophenol	2350	2350	U
1,2,4-Trichlorobenzene	2350	2350	U
Naphthalene	2350	2350	U
4-chloroaniline	4700	4700	U
Hexachlorobutadiene	2350	2350	U
4-Chloro-3-methylphenol	4700	4700	U
2-methylnaphthalene	2350	2350	U
Hexachlorocyclopentadiene	2350	2350	U
2,4,6-Trichlorophenol	2350	2350	U
2,4,5-Trichlorophenol	11800	11800	U
2-Chloronaphthalene	2350	2350	U
2-Nitroaniline	11800	11800	U
Dimethyl phthalate	2350	2350	U
Acenaphthylene	2350	2350	U
2,6-Dinitrotoluene	2350	2350	U
Acenaphthene	2350	2350	U
2,4-Dinitrophenol	11800	11800	U
4-Nitrophenol	11800	11800	U
2,4-Dinitrotoluene	2350	2350	U

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Client Information	Lab Information
Client Sample ID: OF2-01-sed-00	**Lab Sample ID: 630512**
Project Name: Linnton Plywood	Date Rec'd: 10/17/2001
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/05/2001
Sampled By: Peter Pellegrin	Dilution Factor: 1
Sampling Date: 10/16/2001	Analysis Method: SW8270C
Sampling Time: 17:20	Report Revision No.: 0
Type: Grab	Reported By: MWP
Matrix: Soil	Reviewed By: [illegible]
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	2350	2350	U
Diethyl phthalate	2350	2350	U
3-nitroaniline	11800	11800	U
Fluorene	2350	2350	U
4-Chlorophenyl phenyl ether	2350	2350	U
4-Nitroaniline	11800	11800	U
4,6-Dinitro-2-methylphenol	11800	11800	U
n-Nitrosodiphenylamine	2350	2350	U
4-Bromophenyl phenyl ether	2350	2350	U
Hexachlorobenzene	2350	2350	U
Pentachlorophenol	11800	11800	U
Phenanthrene	2350	2350	U
Anthracene	2350	2350	U
Carbazole	2350	2350	U
Di-n-butyl phthalate	2350	2350	U
Fluoranthene	2350	2350	U
Pyrene	2350	2350	U
Benzyl butyl phthalate	2350	2350	U
Benzo(a)anthracene	2350	2350	U
3,3'-Dichlorobenzidine	4700	4700	U
Chrysene	2350	2350	U
bis(2-Ethylhexyl) phthalate	2350	2350	U
Di-n-octylphthalate	2350	2350	U
Benzo(b)fluoranthene	2350	2350	U
Benzo(k)fluoranthene	2350	2350	U
Benzo(a)pyrene	2350	2350	U
Indeno(1,2,3-c,d)pyrene	2350	2350	U
Dibenz(a,h)anthracene	2350	2350	U
Benzo(g,h,i)perylene	2350	2350	U

Surrogate	%Recovery	Range
2-Fluorophenol	84%	21 - 115
Phenol-d5	90%	5 - 115
Nitrobenzene-d5	32%	35 - 114
2-Fluorobiphenyl	74%	43 - 116
2,4,6-Tribromophenol	0%	5 - 123
Terphenyl-d14	96%	33 - 141

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Client Information	Lab Information
Client Sample ID: Blank 1	**Lab Sample ID: SB1-1018**
Project Name: Linnton Plywood	Date Rec'd: N/A
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/05/2001
Sampled By: N/A	Dilution Factor: 1
Sampling Date: N/A	Analysis Method: SW8270C
Sampling Time: N/A	Report Revision No.: 0
Type: QC	Reported By: MWP
Matrix: Soil	Reviewed By:
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	1670	1670	U
bis(2-Chloroethyl) ether	1670	1670	U
2-Chlorophenol	1670	1670	U
1,3-Dichlorobenzene	1670	1670	U
1,4-Dichlorobenzene	1670	1670	U
Benzyl Alcohol	3330	3330	U
1,2-Dichlorobenzene	1670	1670	U
o-cresol	1670	1670	U
bis(2-chloroisopropyl) ether	1670	1670	U
m,p-cresol	1670	1670	U
n-Nitrosodi-n-propylamine	1670	1670	U
Hexachloroethane	1670	1670	U
Benzoic Acid	8330	8330	U
Nitrobenzene	1670	1670	U
Isophorone	1670	1670	U
2-Nitrophenol	1670	1670	U
2,4-Dimethylphenol	1670	1670	U
bis(2-Chloroethoxy) methane	1670	1670	U
2,4-Dichlorophenol	1670	1670	U
1,2,4-Trichlorobenzene	1670	1670	U
Naphthalene	1670	1670	U
4-chloroaniline	3330	3330	U
Hexachlorobutadiene	1670	1670	U
4-Chloro-3-methylphenol	3330	3330	U
2-methylnaphthalene	1670	1670	U
Hexachlorocyclopentadiene	1670	1670	U
2,4,6-Trichlorophenol	1670	1670	U
2,4,5-Trichlorophenol	8330	8330	U
2-Chloronaphthalene	1670	1670	U
2-Nitroaniline	8330	8330	U
Dimethyl phthalate	1670	1670	U
Acenaphthylene	1670	1670	U
2,6-Dinitrotoluene	1670	1670	U
Acenaphthene	1670	1670	U
2,4-Dinitrophenol	8330	8330	U
4-Nitrophenol	8330	8330	U
2,4-Dinitrotoluene	1670	1670	U

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CH2M Hill Applied Sciences Laboratory

Client Information	Lab Information
Client Sample ID: Blank 1	**Lab Sample ID: SB1-1018**
Project Name: Linnton Plywood	Date Rec'd: N/A
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/05/2001
Sampled By: N/A	Dilution Factor: 1
Sampling Date: N/A	Analysis Method: SW8270C
Sampling Time: N/A	Report Revision No.: 0
Type: QC	Reported By: MWP
Matrix: Soil	Reviewed By: DAA
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	1670	1670	U
Diethyl phthalate	1670	1670	U
3-nitroaniline	8330	8330	U
Fluorene	1670	1670	U
4-Chlorophenyl phenyl ether	1670	1670	U
4-Nitroaniline	8330	8330	U
4,6-Dinitro-2-methylphenol	8330	8330	U
n-Nitrosodiphenylamine	1670	1670	U
4-Bromophenyl phenyl ether	1670	1670	U
Hexachlorobenzene	1670	1670	U
Pentachlorophenol	8330	8330	U
Phenanthrene	1670	1670	U
Anthracene	1670	1670	U
Carbazole	1670	1670	U
Di-n-butyl phthalate	1670	1670	U
Fluoranthene	1670	1670	U
Pyrene	1670	1670	U
Benzyl butyl phthalate	1670	1670	U
Benzo(a)anthracene	1670	1670	U
3,3'-Dichlorobenzidine	3330	3330	U
Chrysene	1670	1670	U
bis(2-Ethylhexyl) phthalate	1670	1670	U
Di-n-octylphthalate	1670	1670	U
Benzo(b)fluoranthene	1670	1670	U
Benzo(k)fluoranthene	1670	1670	U
Benzo(a)pyrene	1670	1670	U
Indeno(1,2,3-c,d)pyrene	1670	1670	U
Dibenz(a,h)anthracene	1670	1670	U
Benzo(g,h,i)perylene	1670	1670	U

Surrogate	%Recovery	Range
2-Fluorophenol	59%	21 - 115
Phenol-d5	55%	5 - 115
Nitrobenzene-d5	86%	35 - 114
2-Fluorobiphenyl	83%	43 - 116
2,4,6-Tribromophenol	62%	5 - 123
Terphenyl-d14	101%	33 - 141

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CH2M Hill Applied Sciences Laboratory

Client Information	Lab Information
Client Sample ID: Blank 2	**Lab Sample ID: SB1-1023**
Project Name: Linnton Plywood	Date Rec'd: N/A
Project Manager: Paul LaFrance/PDX	Date Analyzed: 11/05/2001
Sampled By: N/A	Dilution Factor: 1
Sampling Date: N/A	Analysis Method: SW8270C
Sampling Time: N/A	Report Revision No.: 0
Type: QC	Reported By: MWP
Matrix: Soil	Reviewed By: DAH
	Units: ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	1670	1670	U
bis(2-Chloroethyl) ether	1670	1670	U
2-Chlorophenol	1670	1670	U
1,3-Dichlorobenzene	1670	1670	U
1,4-Dichlorobenzene	1670	1670	U
Benzyl Alcohol	3330	3330	U
1,2-Dichlorobenzene	1670	1670	U
o-cresol	1670	1670	U
bis(2-chloroisopropyl) ether	1670	1670	U
m,p-cresol	1670	1670	U
n-Nitrosodi-n-propylamine	1670	1670	U
Hexachloroethane	1670	1670	U
Benzoic Acid	8330	8330	U
Nitrobenzene	1670	1670	U
Isophorone	1670	1670	U
2-Nitrophenol	1670	1670	U
2,4-Dimethylphenol	1670	1670	U
bis(2-Chloroethoxy) methane	1670	1670	U
2,4-Dichlorophenol	1670	1670	U
1,2,4-Trichlorobenzene	1670	1670	U
Naphthalene	1670	1670	U
4-chloroaniline	3330	3330	U
Hexachlorobutadiene	1670	1670	U
4-Chloro-3-methylphenol	3330	3330	U
2-methylnaphthalene	1670	1670	U
Hexachlorocyclopentadiene	1670	1670	U
2,4,6-Trichlorophenol	1670	1670	U
2,4,5-Trichlorophenol	8330	8330	U
2-Chloronaphthalene	1670	1670	U
2-Nitroaniline	8330	8330	U
Dimethyl phthalate	1670	1670	U
Acenaphthylene	1670	1670	U
2,6-Dinitrotoluene	1670	1670	U
Acenaphthene	1670	1670	U
2,4-Dinitrophenol	8330	8330	U
4-Nitrophenol	8330	8330	U
2,4-Dinitrotoluene	1670	1670	U

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CH2M Hill Applied Sciences Laboratory

Client Information		Lab Information	
Client Sample ID:	**Blank 2**	**Lab Sample ID:**	**SB1-1023**
Project Name:	Linnton Plywood	Date Rec'd:	N/A
Project Manager:	Paul LaFrance/PDX	Date Analyzed:	11/05/2001
Sampled By:	N/A	Dilution Factor:	1
Sampling Date:	N/A	Analysis Method:	SW8270C
Sampling Time:	N/A	Report Revision No.:	0
Type:	QC	Reported By:	MWP
Matrix:	Soil	Reviewed By:	
		Units:	ug/Kg

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	1670	1670	U
Diethyl phthalate	1670	1670	U
3-nitroaniline	8330	8330	U
Fluorene	1670	1670	U
4-Chlorophenyl phenyl ether	1670	1670	U
4-Nitroaniline	8330	8330	U
4,6-Dinitro-2-methylphenol	8330	8330	U
n-Nitrosodiphenylamine	1670	1670	U
4-Bromophenyl phenyl ether	1670	1670	U
Hexachlorobenzene	1670	1670	U
Pentachlorophenol	8330	8330	U
Phenanthrene	1670	1670	U
Anthracene	1670	1670	U
Carbazole	1670	1670	U
Di-n-butyl phthalate	1670	1670	U
Fluoranthene	1670	1670	U
Pyrene	1670	1670	U
Benzyl butyl phthalate	1670	1670	U
Benzo(a)anthracene	1670	1670	U
3,3'-Dichlorobenzidine	3330	3330	U
Chrysene	1670	1670	U
bis(2-Ethylhexyl) phthalate	1670	1670	U
Di-n-octylphthalate	1670	1670	U
Benzo(b)fluoranthene	1670	1670	U
Benzo(k)fluoranthene	1670	1670	U
Benzo(a)pyrene	1670	1670	U
Indeno(1,2,3-c,d)pyrene	1670	1670	U
Dibenz(a,h)anthracene	1670	1670	U
Benzo(g,h,i)perylene	1670	1670	U

Surrogate	%Recovery	Range
2-Fluorophenol	68%	21 - 115
Phenol-d5	63%	5 - 115
Nitrobenzene-d5	129%	35 - 114
2-Fluorobiphenyl	94%	43 - 116
2,4,6-Tribromophenol	39%	5 - 123
Terphenyl-d14	126%	33 - 141

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CH2MHILL Applied Sciences Lab
CHAIN OF CUSTODY RECORD
AND AGREEMENT TO PERFORM SERVICES

CVO 2300 NW Walnut Boulevard
Corvallis, OR 97330-3538
(541) 752-4271 FAX (541) 752-0276

COC # 101601-1

Project # 167592.SA.Ø1
Purchase Order #
Project Name: Linnton Plywood Association
Company Name: CH2M Hill—pdx
Report to: Paul LaFrance, 825 NE Multnomah Suite 1300, Portland, Ore 97232
Phone No: 503-235-5000, FAX 503-736-2000
Requested Completion Date:
Sample Disposal: Dispose ☐ Return ☐

THIS AREA FOR LAB USE ONLY
Lab # 630S | Page 1 | of 2

EPA Tier QC Level: 1 (Screening) 2 3 4

Requested Analytical Method #: PAH—EPA 8270 mdms/sim; VOC's—EPA 8260; PCB—EPA 8082; EPA 6010 Cd, Cr, Pb; EPA 6010 ZINC; EPA 6010 Copper; TPH-g-d SW-8015M

Preservative: 4°C; 4°C; 4°C; 4°C; 4°C; 4°C; 4°C

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	Matrix AIR	Matrix Other	CLIENT SAMPLE ID (8 CHARACTERS)	LAB QC	TOTAL # OF CONTAINERS	PAH	VOC's	PCB	EPA 6010 Cd, Cr, Pb	EPA 6010 ZINC	EPA 6010 Copper	TPH-g-d SW-8015M	Alternate Description	Lab ID
10/16/01	1200		X		X			OFX-Ø1-sed-ØØ		2	X	X	X	X	X	X	X		-1
	1300		X		X			OFG-Ø1-sed-ØØ			X	?	X	X	X	X	X	? confirm with Paul LaFrance	-2
	1345		X		X			AuR-Ø1-sur-ØØ			X	X		X			X		-3
	1430		X		X			StC-Ø1-sur-ØØ			X	X		X			X		-4
	1500		X		X			O5W-Ø1-SUR-ØØ			X	X	X	X	X	X	X		-5
	1520		X		X			O5E-Ø1-SUR-ØØ			X	X	X	X	X	X	X		-6
	1530		X		X			O5W-Ø2-Sub-Ø2			X	X		X	X		X		-7
	1545		X		X			O5E-Ø2-Sub-Ø2			X	X		X	X		X		-8
	1615		X		X			MnS-Ø1-sur-ØØ			X	X		X			X		-9
	1635		X		X			O3A-Ø1-sed-ØØ			X	X	X	X	X	X	X		-10
	1700		X		X			OF3-Ø1-sed-ØØ			X	X	X	X	X	X	X		-11

Relinquished By	Date/Time	Received By	Date/Time
Peter Pellegrin—pdx	10/16/01 2100		
Sampled By and Title (Please sign and print name): Peter Pellegrin / Peter Pellegrin	Date/Time: 10/16/01 - 1730	Relinquished By (Please sign and print name)	Date/Time
Received By (Please sign and print name): Layna Kaemann	Date/Time: 10/17/01 2:00	Relinquished By (Please sign and print name)	Date/Time
Received By (Please sign and print name)	Date/Time	Shipped Via: UPS Fed-Ex Other ____	Shipping #

Special Instructions:

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: Original - LAB, Yellow - LAB, Pini ent
/2/01

CH2MHILL Applied Sciences Lab
CHAIN OF CUSTODY RECORD
AND AGREEMENT TO PERFORM SERVICES

CVO 2300 NW Walnut Boulevard
Corvallis, OR 97330-3538
(541) 752-4271 FAX (541) 752-0276

COC # 101601-2

Project # 167592.5A.01
Purchase Order #
Project Name: Linnton Plywood Association
Company Name: CH2M Hill-pdx
Report to: Paul LaFrance
825 NE Multnomah-Suite 1300
Portland, Ore 97232
Phone No: 503-235-5000
FAX 503-736-2000
Requested Completion Date:
Sample Disposal: Dispose ☐ Return ☐

THIS AREA FOR LAB USE ONLY: Lab # 6305 Page 2 of 2

EPA Tier QC Level: 1 (Screening) 2 3 4

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	Matrix AIR	Matrix Other	CLIENT SAMPLE ID (8 CHARACTERS)	LAB QC	TOTAL # OF CONTAINERS	PAH's EPA 8270 m/ms/sim (Preservative 4°C)	VOC's EPA 8260 (Preservative 4°C)	EPA 6010 - Cd, Cr, Pb, Zn, Cu (Preservative 4°C)	TPH-g-dx SW 8015M (Preservative 4°C)					Alternate Description	Lab ID
10/16/01	1720		X		X			OF2-01-Sed-00		2	X	X	X	X						-12

Relinquished By	Date/Time	Received By	Date/Time
Peter Pellegrin 10/16/01	2100		
Sampled By and Title (Please sign and print name): Peter Pellegrin / Peter Pellegrin 10/16/01	1730	Relinquished By (Please sign and print name)	Date/Time
Received By (Please sign and print name): Wayne Kaufmann	10/17/01 2:06	Relinquished By (Please sign and print name)	Date/Time
Received By (Please sign and print name)	Date/Time	Shipped Via: UPS Fed-Ex Other ____	Shipping #

Special Instructions:

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: Original - LAB, Yellow - LAB, Pink - Client
Rev 2/01 Lab form 340

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Applied Sciences Group

Sample Receipt Record

Batch Number: 10305 Date/Time Received: 10/17/01

Client/Project Linton Plummer Temperature: 4.6°C

VERIFICATION OF SAMPLE CONDITIONS (verify all items) * HD = Client Hand delivered Samples

Observation	YES	NO	*HD
Were custody seals intact and on the outside of the cooler?	✓		
Was the Chain of Custody inside the cooler?	✓		
Was the Chain of Custody properly filled out?	✓		
Were the sample containers in good condition?	✓		
Was there ice in the cooler?	✓		

If the answer to any of the questions above is NO, a Sample Receipt Exceptions Report Must be written.

VERIFICATION OF SAMPLE PRESERVATION (verify all preserved samples except HAAs, HANs and CH)

Sample No	Nutrients pH <2	Metals pH <2	Volatiles pH <2	Cyanides pH >12	TOC pH <2	Other (specify)	Other (specify)	N/A (soils/unpres)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

LOGIN AND pH VERIFICATIONS PERFORMED BY

Dayna Kumanny 10/17/01
Date/Time

Date/Time

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Sample Receipt Exception Report

Sample Batch Number: 10305 **Client/Project** Linton Plywood

The following exceptions were noted:		Comments (write number of exception description and the impacted sample numbers)
	1. No custody seal as required by project	
	2. No chain-of-custody provided	
	3. Analysis, description, date of collection not provided	
	4. Samples broken or leaking on reciept.	
	5. Temperature of samples inappropriate for analysis requested	
	6. Container inappropriate for analysis requested	
	7. Inadequate sample volume.	
	8. Preservation inappropriate for analysis requested	
	9. Samples received out of holding time for analysis requrested	
	10. Discrepancies between COC form and container labels.	
X	11. Other.	? on COC for VOC analysis on sample -2. Per Natalie Y. Pong do not analyze -2 for VOC.

ACTION TAKEN:

Originator: [illegible] Date: 10/11/01

Client was notified on: (Date/Time) 10/18/01 Client Contact:

Client Services:

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AMENDMENT REPORT

Date	11/15/2001	Client:	Linnton Plywood
Reference No:	6321	Project Name:	Linnton Plywood
Pkg. Level:	2	Completed by:	BFT
Method(s):	8270	Approved by:	KM

Amendments completed and reason(s):

1) The header for sample 10 has been corrected. (It was the same as sample 9)

Amendment Justification:

- [x] Reporting error
- [ ] Calculation error
- [ ] Missing information/data
- [ ] Wrong information/data
- [ ] Analytical problem/correction
- [ ] Sub-lab error
- [ ] Client change/request
- [ ] Other (define) _____

EDATA [ ] Required [ ] Not Required

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CH2MHILL
Applied Sciences Group

November 15, 2001

Linnton Plywood

167592.SA.01

RE: Laboratory Report for Linnton Plywood
Applied Sciences Group Reference No. 6321

Natalie Young Pong/PDX:

On October 22, 2001, CH2M HILL Applied Sciences Group received 11 samples with a request for analysis of selected parameters. All analyses were performed by CH2M HILL unless otherwise indicated below.

The revised analytical results and associated quality control data are enclosed.

This report does not meet NELAC requirements for the following reasons:

- NELAC has not provided our lab with accreditation for the following tests: SW8015-P.

CH2M HILL Applied Sciences Group appreciates your business and looks forward to serving your analytical needs again. If you should have any questions concerning the data, or if you need additional information, please call Ms. Kathy McKinley at (541) 758-0235, extension 3120.

Sincerely,

Mark Bos
Laboratory Representative

Enclosures

ACCREDITED IN ACCORDANCE WITH nelac
OR100022

CLIENT SAMPLE CROSS-REFERENCE

CH2M HILL Applied Sciences Group Reference No. 6321

Sample ID	Client Sample ID	Date Collected	Time Collected
632101	AUR01GW00	10/18/2001	11:15
632102	STC01GW00	10/18/2001	12:00
632103	BrH01GW00	10/18/2001	09:10
632104	WgB01GW00	10/18/2001	18:40
632105	SdA01GW00	10/18/2001	16:30
632106	CWC01GW00	10/18/2001	15:15
632107	CWS01GW00	10/18/2001	16:20
632108	MNS01GW00	10/18/2001	12:50
632109	GNE01GW00	10/19/2001	09:18
632110	BrH01GW00	10/19/2001	10:43
632111	Wigwan burner soil	10/17/2001	

CASE NARRATIVE
GC/MS SEMIVOLATILES

Lab Reference No.: 6321

Client/Project: Linnton Plywood

I. Holding Times:
All acceptance criteria were met.

II. Analysis:

A. Calibration:
All acceptance criteria were met.

B. Duplicate Sample(s):
All acceptance criteria were met.

C. Spike Sample(s):
All acceptance criteria were met.

D. Surrogate Recoveries:
Recovery of 2-fluorophenol for samples CWC01GW00, CWS01GW00, and MNS01GW00 were below criteria.

E. Lab Control Sample(s):
All acceptance criteria were met.

F. Other:
Due to the large amount of solids present in some of the sample containers, samples had to be decanted in order to facilitate analysis.

III. Documentation Exceptions:
None

IV. I certify that this data package is in compliance with the terms and conditions agreed to by the client and CH2M HILL, both technically and for completeness, except for the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Prepared by: for Matt Perrot

Reviewed by:

CH2M Hill Applied Sciences Laboratory

Client Information		Lab Information	
Client Sample ID:	BrH01GW00	Lab ID:	632110
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/09/2001
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/19/01	Analysis Method:	SW846-8270C
Sampling Time:	10:43	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	BCT
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Phenol	12	12	U
bis(2-Chloroethyl) ether	12	12	U
2-Chlorophenol	12	12	U
1,3-Dichlorobenzene	12	12	U
1,4-Dichlorobenzene	12	12	U
Benzyl Alcohol	23	23	U
1,2-Dichlorobenzene	12	12	U
o-cresol	12	12	U
bis(2-chloroisopropyl) ether	12	12	U
m,p-cresol	12	12	U
n-Nitrosodi-n-propylamine	12	12	U
Hexachloroethane	12	12	U
Benzoic Acid	58	58	U
Nitrobenzene	12	12	U
Isophorone	12	12	U
2-Nitrophenol	12	12	U
2,4-Dimethylphenol	12	12	U
bis(2-Chloroethoxy) methane	12	12	U
2,4-Dichlorophenol	12	12	U
1,2,4-Trichlorobenzene	12	12	U
Naphthalene	12	12	U
4-chloroaniline	23	23	U
Hexachlorobutadiene	12	12	U
4-Chloro-3-methylphenol	23	23	U
2-methylnaphthalene	12	12	U
Hexachlorocyclopentadiene	12	12	U
2,4,6-Trichlorophenol	12	12	U
2,4,5-Trichlorophenol	58	58	U
2-Chloronaphthalene	12	12	U
2-Nitroaniline	58	58	U
Dimethyl phthalate	12	12	U
Acenaphthylene	12	12	U
2,6-Dinitrotoluene	12	12	U
Acenaphthene	12	12	U
2,4-Dinitrophenol	58	58	U
4-Nitrophenol	58	58	U
2,4-Dinitrotoluene	12	12	U

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Applied Sciences Group

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Tel 541.752.4271 Fax 541.752.0276

CH2M Hill Applied Sciences Laboratory

Client Information		Lab Information	
Client Sample ID:	BrH01GW00	Lab ID:	632110
Project Name:	Linnton Plywood	Date Rec'd:	10/22/01
Project Manager:	Natalie Young Pong/PDX	Date Analyzed:	11/09/2001
Sampled By:	N. Young Pong	Dilution Factor:	1
Sampling Date:	10/19/01	Analysis Method:	SW846-8270C
Sampling Time:	10:43	Report Revision No.:	0
Type:	Grab	Reported By:	MWP
Matrix:	Water	Reviewed By:	RS
		Units:	ug/L

Analyte	Reporting Limit	Sample Result	Qualifier
Dibenzofuran	12	12	U
Diethyl phthalate	12	12	U
3-nitroaniline	58	58	U
Fluorene	12	12	U
4-Chlorophenyl phenyl ether	12	12	U
4-Nitroaniline	58	58	U
4,6-Dinitro-2-methylphenol	58	58	U
n-Nitrosodiphenylamine	12	12	U
4-Bromophenyl phenyl ether	12	12	U
Hexachlorobenzene	12	12	U
Pentachlorophenol	58	58	U
Phenanthrene	12	12	U
Anthracene	12	12	U
Carbazole	12	12	U
Di-n-butyl phthalate	12	12	U
Fluoranthene	12	12	U
Pyrene	12	12	U
Benzyl butyl phthalate	12	12	U
Benzo(a)anthracene	12	12	U
3,3'-Dichlorobenzidine	23	23	U
Chrysene	12	12	U
bis(2-Ethylhexyl) phthalate	12	12	U
Di-n-octylphthalate	12	12	U
Benzo(b)fluoranthene	12	12	U
Benzo(k)fluoranthene	12	12	U
Benzo(a)pyrene	12	12	U
Indeno(1,2,3-c,d)pyrene	12	12	U
Dibenz(a,h)anthracene	12	12	U
Benzo(g,h,i)perylene	12	12	U

Surrogate	%Recovery	Range
2-Fluorophenol	44%	21 - 115
Phenol-d5	36%	5 - 115
Nitrobenzene-d5	66%	35 - 114
2-Fluorobiphenyl	63%	43 - 116
2,4,6-Tribromophenol	64%	5 - 123
Terphenyl-d14	82%	33 - 141

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